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TRADE IN
ALLURA XPER FD10
SERIAL # 26
PHILIPS
STK# SP019

Line #	Description	Qty
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1	Allura Xper FD20 C Rel. 8.1	1
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Allura Xper FD20 monoplane system is a state of art X-ray imaging system that can be customized to support a wide range of applications including peripheral, abdominal, cerebral, thoracic, cardiac and non-vascular interventional and diagnostic procedures.

The Allura Xper FD20 system uses an integrated single-host concept. The system is comprised of five functional building blocks: Geometry, X-ray Generation, User Interface, Image Detection, and Viewing. Each functional building block is explained in further detail.

GEOMETRY

The Allura Xper FD20 Stand

The Allura stand consists of a ceiling-mounted C-arm. The stand has the following capability:

- The L-arm can be rotated and can be moved in longitudinal direction allowing a three-sided patient approach and total body coverage.
- L-arm rotation around the patient table: +90, 0, -90 degrees.
- L-arm longitudinal movement: 300 cm
- This movement features auto-stops at the parking position, cardio/neuro position and lower peripheral position.

The Allura stand allows a very wide range of projections, including PA and AP imaging.

- In the head position (0 degrees position, L-arm parallel to patient table):
 - C-arm rotation range (degrees): 120 LAO to 185 RAO
 - C-arm angulation range (degrees): 90 CA to 90 CR
 - (Full angulation capability determined by patient position)
- In the side position (+90 / -90 degrees position, L-arm perpendicular to patient table):
 - C-arm rotation range (degrees): 90 LAO to 90 RAO
 - C-arm angulation range (degrees): 185 CA to 120 CR or 120 CA to 185 CR
 - (Full angulation capability determined by patient position)
- The stand provides fully motorized fast movements with variable and configurable maximum speed.
 - Variable C-arm rotation speed, up to 25 degrees per second
 - Variable C-arm angulation speed, up to 18 degrees per second
- L-arm rotation and longitudinal movement: motorized and manual
- C-arm depth is 90 cm
- The FD20 Dynamic Flat Detector features Xper Access which allows the flat detector to be positioned in either portrait or landscape imaging modes in 3 seconds.
- The variable source image distance between focus and Dynamic Flat Detector input screen is motorized from 86.5 to 123 cm.

- The stand features BodyGuard a capacitive sensing collision avoidance system for patient protection.

Patient support

The Xper Table

Patient support with flat carbon fiber tabletop

- Table top length of 319 cm, width 50 cm
- Metal-free overhang 125 cm
- Floating table-top movement of 120 cm longitudinal and 35 cm transversal range.
- Motorized height adjustment from 79 to 107 cm
- Maximum cantilever of 223 cm , for full patient coverage
- Maximum patient weight 250 kg with 25 kg of accessories plus 500 N for CPR in any longitudinal position of the table top
- Xper Geometry and Imaging Modules for exam room controls.
 - The operating modules can be attached to either side of the table.

Patient Support Accessories set

- One cerebral filter
- Three rail accessory clamps
- One IV stand
- One slow recovery foam mattress
- One Set of Arm Supports (FCV0248)
- One Set of Patient Straps (FCV0250)
- One Head Support (FCV0251)
- One Arm Support (FCV0258)
- One Table-mounted Radiation Shield
- One anti-fatigue mat with Philips logo

X-ray Generation

The Allura Xper FD20 comprises an integrated dedicated X-ray system, micro-processor controlled Velara CFD generator based on high frequency converter technique. The user interface control of this X-ray Generator is incorporated in the Xper module, Xper Desktop Viewing Console, and the Xper on-screen displays. The Velara CFD generator comprises:

- X-ray generator 100 kW
 - Voltage range is 40 - 125 kV
 - Maximum current 1250 mA at 80 kV
 - Program selection
 - Pulsed X-ray for pulsed fluoroscopy; 3.75, 7.5, 15 and 30 frames/s
 - Pulsed X-ray for (subtracted) acquisition up to 6 frames/s for vascular applications
 - Minimum exposure time of 1 ms
 - Automatic kV and mA control for optimal image quality prior to run to save dose
 - An X-ray depth collimator with two semi-transparent wedged filters with manual and automatic positioning
-

- SpectraBeam filtering of low energy radiation to optimize image quality and dose efficiency with MRC-GS 0407 X-ray tube.
- Grid switching at dynamic pulsed fluoroscopy
- Xper Beam Shaping, positioning of both shutters and wedges on the Last image Hold without the need for X-ray radiation

Fluoroscopy

- Three programmable fluoroscopy modes
 - Each mode can be set to different composition of dose rate, pulse speed, filter setting, and image processing (noise reduction, adaptive contour enhancement, and adaptive harmonization).
- Roadmap Pro
 - Roadmap Pro can be selected from the Xper imaging module and/or Xper module.
 - A vessel map is created and superimposed with (un)subtracted live fluoroscopy. Acquisition runs can be done during Roadmap without losing the vessel map. Roadmap Pro features Smart Settings in special clinical modes that are optimized to visualize special materials such as coils and glue. Live processing of the vessel map, the device map and the landmark map can be done on the Xper Module. Xres for vascular procedures is standard part of Roadmap Pro.
 - **Disclaimer:** AMC only corrects movement artifacts in two dimensions. Three dimensional movements such as swallowing or rotation of the head cannot be corrected.
 - In Roadmap Pro R2 "Automatic Motion Compensation" (AMC) is added to the roadmap functionality. During roadmap, small movements of the patient can lead to subtraction artifacts. These artifacts might conceal important clinical information. "Automatic Motion Compensation" compensates for rigid, uniform (skeletal/table) translations and is therefore very effective in interventional (neurology) applications where subtraction imaging is applied.

§ Disclaimer: AMC only corrects movement artifacts in 2 dimensions. 3 dimensional movements like swallowing or rotation of the head cannot be corrected.

- Xper Fluoro Storage, a grab function allows storage and archiving of both a fluoro image and the last 20 seconds of Fluoroscopy, called Xper Fluoro Storage. These fluoro images or fluoro runs can be archived as a regular exposure run.

X-ray tube

The Allura Xper FD20 has the Maximus ROTALIX Ceramic grid switch tube assembly MRC 200 GS 0407 integrated in the C-arc. This MRC tube has an anode heat storage capacity of 2.4 MHU and 0.4/0.7 mm. nominal focal spot values. The tube has a maximal loading of 30 and 67 kW.

Dynamic pulsed fluoroscopy uses grid switching technology to eliminate soft radiation and improve image quality. SpectraBeam allows for filtration of the x-ray beam with (a combination of) 0.2, 0.5 or 1 mm CU-equivalent filters.

Tube housing ROT-GS 1004 is for oil-cooling and has a build-in thermal safety switch. A rotor control unit is build-in for continuous rotation of the anode disk. The heat exchanger CU 3101 is for direct and continuous forced cooling with oil.

IMAGE DETECTION

The Allura Xper FD20 comprises the following image detection chain:

- A 30 cm by 40 cm FD20 Dynamic Flat Detector with eight imaging modes.
 - 30 x 38, 30 x 30, 26 x 26, 22 x 22, 19 x 19, 16 x 16, 13.5 x 13.5, and 11 x 11 cm
- The digital output of the FD20 flat detector is 2k*2.5k image matrix at 14 bits depth for the largest mode
- The flat detector subsystem features Xper Access, the detector can be rotated over 90 degrees, it moves from portrait to landscape back & forth
- DQE (Detective Quantum Efficiency) >73 %
- The pixel pitch: 154 x 154 microns

Viewing

The Allura Xper FD20 comprises the following components in order to display the clinical images in the control and examination room:

Displays

Examination Room

Two 18-inch monochrome LCD monitors designed for medical applications. The first display is used for viewing live images. The second display is the reference monitor.

- 18-inch monochrome TFT-LCD display with a 160 degree viewing angle.
- Native format 1280x1024 SXGA
- 10-bit gray-scale resolution with gray-scale correction

These monitors are not delivered when FlexVision XL, EP Cockpit or EP Cockpit XL is selected.

The monitor ceiling suspension in the exam room can be configured to accommodate 3, 4, 6 or 8 LCD monitors and includes motorized height adjustment. The height-adjust feature is dependent on the room ceiling height. When FlexVision XL, EP Cockpit or EP Cockpit XL is selected the monitor ceiling suspension is configured for one of those options.

- Of the two medical monochrome LCD monitors included in the MCS, one is used for viewing of live images and the other serves as the first reference display. Reference images or runs are controlled by infra-red remote-control Xper ViewPad.
- The On-Screen Display provides status information on stand rotation, angulation, display of system messages, X-ray tube load status, selected fluoroscopy mode, selected detector Field of View, and both the rate and accumulation of the dose area product and skin dose. For cardiac applications, the system also monitors and displays body zone specific Air Kerma data (10 zones).

Control Room

One 19-inch color LCD monitor used as a data monitor.

- 19-inch color TFT-LCD display
- Native format 1280x1024 SXGA

One 18-inch monochrome LCD monitor (Xper review monitor) designed for medical applications.

- 18-inch monochrome TFT-LCD display
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- Native format 1280x1024 SXGA
- 10-bit gray-scale resolution with gray-scale correction

These control room monitors are not delivered when EP Cockpit or EP Cockpit XL is selected.

The Graphical User Interface on the monochrome monitor has the following features and functions:

- Step through file, run, or images
- File, and run overview
- Contrast, brightness, and edge enhancement settings
- Flagging of runs or images for transfer
- Applying text annotation in images
- Optional DICOM printing
- Executing Quantitative Analysis Packages if available
- Subtraction functionality
- Zoom/pan functionality
- Electronic shutters
- Video invert
- View trace, stacking of images
- Landmarking

Acquisition

The acquisition segment coordinates the parameters for automatic exposure control. The program is selected via the Xper module or Xper Desktop Console.

Exposure techniques:

- Serial imaging for DA and DSA with automatic exposure setting
- Single shot mode
- Acquisition frame rates: 0.5 to 6 images/s at 2048 x 2048, 12-bit matrix

The Allura Xper FD20 offers a storage capacity of:

- 50,000 images at matrix size of 1024 x 1024
- 12,500 images at matrix size of 2048 x 2048
- Maximum number of examinations is 999, with no limit to the maximum number of images per examination

USER INTERFACE

Xper is comprised of three elements: 1) Xper Settings, which customizes the system to each user preferred settings. 2) Xper User Interface 3) Xper Integration, which makes advanced integration functionality available such as DICOM Query / Retrieve, background archiving, and Xper Fluoro Storage.

The Xper User Interface uses User Interface modules in the Examination Room with On-Screen Display.

The On-Screen Display is positioned on the left side of the reference monitor. The following system information is displayed

- X-ray indicator and X-ray tube temperature condition

- Gantry position in rotation, angulation, and Source Image Distance
- Detector field size display
- General System messages
- Selected Frame speed
- Fluoroscopy mode
- Integrated fluoroscopy time
- Skin Dose and Dose Area Product
- Stopwatch

The Xper ViewPad contains the preprogrammed function settings. The system is provides with two Xper Viewpads. The following functions are provided:

- Run and image selection
- File and run cycle
- File overview
- Store to Reference image file
- Copy image to photo file
- Digital (fixed) zoom and panning
- Recall reference images
- Laser pointer, intended to point at regions of interest on the imaging monitors
 - LED indication of laser pointer on/off and battery low
- Subtraction on/off
- Remasking
- Landmarking

Remote Intercom

The separate intercom which is connected independently from the system that allows separate placement of the intercom at the preferred working position in the control room and examination room.

Table Side Modules

Two Xper Modules are provided for use. The first Xper Module is mounted tableside. The Second Xper Module (NCVA778) is located in the control room. These modules use a touch screen, which can be operated when draped with sterile covers. The Xper Module contains the following functionality:

- Acquisition settings
- Selection of Xper Setting allows the user to set frame rates and X-ray generation settings applicable for the type of the preferred intervention
- Image Processing

The Xper Geometry module can be positioned on all sides of the patient table, while keeping the button operation intuitive. The Xper Geometry module provides the following functionality:

- Tabletop float and table height position
 - Source Image Distance selection
 - Longitudinal movement of the Gantry along the ceiling
 - Gantry rotation in an axis perpendicular to the ceiling
-

- Store and recall of two scratch gantry positions including SID
- Emergency stop button

The Xper Imaging module can also be positioned on three sides of the patient table, while keeping the button operation intuitive. The Xper Imaging module provides the following functionality:

- Fluoroscopy Flavor selection defined per Xper Setting
- Shutters and Wedge positioning
- Xper Fluoro Storage and Grab
- Selection of the Detector field size
- Shutter positioning
- Reset of the fluoroscopy buzzer

Pan Handle (NCVA081)

- The Pan Handle is an extension of the control facility for floating movements of the tabletop.

Control Room

The control room comprises a Xper Review Module, Xper Desktop Module, a keyboard, and a mouse. The Xper Review Module offers the basic functions for review. The Xper Review Module contains the following functionality:

- Power on/off
- Tagarno wheel to control the review of a patient file
- File and run cycle
- Contrast, Brightness, and Edge enhancement settings
- File, Run, Image stepping and run and file overview
- Delete run
- Image invert and digital zoom
- Reset fluoroscopy timer and enable/disable X-ray

System information is displayed on the bottom of the data monitor:

- Stopwatch and Time
- System guidance information
- Dose Area Product (DAP) and Skin Dose, and accumulative dose
- Frame speed settings, fluoroscopy mode, and accumulated fluoroscopy time
- Exposure and fluoroscopy settings as Voltage (kV), Current (mA) and pulse time (ms)
- Geometry information as rotation, angulation, and SID

Scheduling

The patients can be listed and selected per date, physician, and intervention type. Previous DICOM patient studies can be uploaded with the DICOM Query Retrieve function in the Allura system.

Patient management protocols are flexible and allow for multiple studies to be selected under one patient identification number. This means that new studies can be appended to an earlier patient file. Furthermore, each study can contain multiple examinations to allow for split administrative purposes. Each examination contains multiple files, like acquisition file, reference file, and QA results file.

Preparation

The preparation page provides the information of the room and patient preparation of each individual physician. The preparation page is customizable per Xper Setting and allows each physician to provide his own room protocols. This preparation page makes hard copies of the protocol instructions redundant.

Acquisition

The acquisition page contains information on the current selected patient.

Review

The review page allows for reviewing of patients:

- Previous examination cases
- Review of other DICOM XA or DICOM SC studies

Radiation Dose Structured Report

Collection of dose relevant parameters and settings and export to a DICOM database (e.g. PACS, RIS), according IEC60601-2-43, 2nd Edition.

The reported data can be used for, for example:

- Quality improvement: evaluating trends in X-ray dose performance per facility, system and operator.
- RDSR enables analysis of average dose levels & variance for routinely performed exams and procedures.
- Typical system usage can be extracted from the data.

Archive

Continuous Autopush (NCVA090)

Continuous Autopush is an archive accelerator, which ensures that background archiving continues with minimal disruptions.

Clinical studies can be archived to a CD or a PACS. The archive process can be completely automated and customized with Xper Settings. Parameters like multiple destinations, archive formats can be selected to the individual needs and wishes for programming under the Xper Settings,

The Xper DICOM Image Interface enables the export of clinical images to PACS. The export formats are based on DICOM 3.0 protocols. The system exports clinical studies in Cardiac DICOM XA Multi-Frame or DICOM Secondary Capture formats.

- The export format is configurable in 512x512, 1024x1024 2048 x 2048 (unprocessed) matrix.
- The examination can be sent to multiple destinations for archiving and reviewing purposes.
- The Xper DICOM Image Interface provides DICOM Storage and DICOM Storage Commitment Services.
- The DICOM Query/Retrieve function allows older DICOM XA MF and DICOM SC studies to be uploaded in the system. Furthermore, additional information can be appended to a study, while keeping the patient identification the same.

Remote Service

Access to the system from a Remote location is possible via network or modem connection. Remote access to a system can shorten the time needed for e.g. changing system settings or problem diagnosis.

Clinical Education Program for the Allura Xper System

Essentials OffSite Education: Philips will provide up to two (2) Cardiovascular Technologists, Registered Technologists Registered Nurses, or other system operator as selected by customer, with in-depth didactic, tutorial, and hands-on training covering basic functionality and work-flow of the cardiovascular imaging system. In order to provide trainees with the ability to apply all fundamental functioning on their system, and to achieve maximum effectiveness, this class should be attended no earlier than two weeks prior to system installation. This twenty-eight (28) hour class is located in Cleveland, Ohio, and is scheduled based on your equipment configuration and availability. Due to program updates, the number of class hours is subject to change without notice. Customer will be notified of current, total class hours at the time of registration. This class is a prerequisite to your equipment handover OnSite Education. CEU credits may be available for each participant that meets the guidelines provided by Philips. Please refer to guidelines for more information. **Travel and lodging are not included, but may be purchased through Philips. It is highly recommended that 989801292102 (CV Full Travel Pkg OffSite) is purchased with all OffSite courses**

Handover OnSite Education: Philips Education Specialists will provide twenty-eight (28) hours of education for up to four (4) students, selected by customer, including technologists from night/weekend shifts if necessary. Students should attend all 28 hours, and must include the two OffSite education attendees. CEU credits may be available for each participant that meets the guidelines provided by Philips. Please refer to guidelines for more information. Note: Site must be patient-ready. Philips personnel are not responsible for actual patient contact or operation of equipment during education sessions except to demonstrate proper equipment operation. **It is highly recommended for systems that are fully loaded or for customers with a large number of staff members to also purchase 989801292099 (CV Add OnSite Clin Educ 24h).**

The above education entitlements expire one (1) year from equipment delivery date. Ref# 106107318-091207

2	Bracket for Rad. Shield (ER)	1
	Accessory bracket for mounting a radiation shield	
3	Xper PM5 on XperModule	1

This option integrates Xper PM5 with the Allura Xper system. It allows the physician and procedure staff to perform a complete hemodynamic study from tableside on the Allura Xper module.

The "Hemo" menu will contain a subset of the Xper PM5 features. The Allura Xper module interface acts as a remote control to the Xper PM5 system. Changes selected on the Allura Xper module will be displayed on the Xper PM5 system, all functionality for the selected functions are controlled within the Xper IM application.

Following functions are available from the Allura Xper Module:

- SNAP (Auto record)
- Obtain/Capture and store hemodynamic waveforms and ECG's
- Cardiac Output measurements
- Monitor scale and sweep speed
- NIBP measurement

4

Stentboost sw Rel 3.0 Package

1

StentBoost is a unique interventional tool to improve visualization of stents in the coronary arteries during interventions. This, Philips exclusive, innovative interventional tool produces a highly augmented image of a deployed stent in coronary arteries in relation to the vessel lumen.

StentBoost enables interventional cardiologists to take any corrective action required immediately, while the patient is still in the exam room.

The way it works

StentBoost automatically detects the stent delivery markers image after image. In each image StentBoost aligns the markers with the markers of the previous image. By doing this all radiopaque material in the close proximity of the markers will be enhanced and items further away from the markers will be greyed out.

Images can be acquired with or without contrast. A run with some contrast-filled vessel images will result in a dynamic representation of the enhanced stent in relation with the vessel lumen.

StentBoost Workflow

1. Image acquisition
StentBoost R3 has an optimised protocol of 100 frames out of a cine run, of which 60 frames should be with contrast.
2. Image transfer
The run will automatically be transferred to the interventional workstation and show up in the StentBoost software.
3. Automatic Stent Enhancement
The StentBoost software detects automatically the location of the markers and displays the enhanced image of the stent within seconds. If the cine run was acquired with contrast, then the dynamic representation of the stent in relation with the lumen will appear automatically
4. A real time operation user interface is available with StentBoost, to provide:
 - Review of StentBoost runs, before and after processing
 - Viewing tools like Brightness/Contrast, Pan and Zoom to optimize the image displayed
 - Automatic stent delivery system marker identification
 - Reliability feedback regarding the enhanced run
 - Manual quality improvement; Manual correction possibility for marker identification
 - View patient info

- store the still or dynamic (move) image of the stent
5. Calibration
 - To create a StentBoost image no calibration is needed. For the measurement support tool four calibration methods are included:
 - No calibration
 - Auto calibration based on calibration data generated by the Allura Xper system when the autocall function is installed (MCV5682),
 - Marker distance of the stent delivery markers,
 - Catheter calibration
 6. "Measurement"
 - "Measurement" an option within the StentBoost package supports the clinician in his/her decision-making in determining the percentage of remaining stenosis in the stent.
 7. Archiving

Transfer to:

 - Optional Hard Copy unit (DICOM Print)
 - Optional third party station (snapshots images in DICOM Secondary Capture format)
 - Any computer via a web server functionality with images in a standard file format (JPEG, AVI movies)
 - One or multiple DVD's, CD-ROM(s) for easy archiving
 - Store a subset of exportable objects (snapshots and AVI Movies) to a USB removable memory device.
 8. StentBoost release 3.0 PACKAGE comprises:
 - NCVA819 StentBoost R3
 - NCVA115 StentBoost on Xper Module
 - NCVA590 Real Time Link

StentBoost release 3.0 Software Package:
 Software release bulletin
 DICOM Conformance Statement
 StentBoost IQ verification Phantom

Compatible with:
 Allura Xper FD10 R.3
 Allura Xper FD10/10 R2

5	Monoplane LCD support for control room	1
	Display support to increase display height and create storage volume to put away keyboard, mouse and cabling	
6	Isolated Wall Connection Box	2
	Isolated Wall Connection Box This Isolated Wall connection Box facilitates connection of the video source via standard DVI cable/connector and lossless transfer of the video signal over the approximate 30 m cable distance. It can be mounted in the exam room or in the control room, depending on the location of the video source.	

The quantity of the VWCB's has to be calculated as follows:

For each video signal via MultiVision: 1 VWCB (max = 4)

For each video signal to FlexVision XL on Cardio System: 1 VWCB (max = 9)

For each video signal to FlexVision XL on Vascular System: 1 VWCB (max = 8)

For each 3rd party video signal directly connected to an LCD in the MCS: 1x VWCB.

Note:

No VWCB is required in case a video signal is connected directly to a dedicated LCD from the following sources:

1) Xper Live/ref Slaving

2) Interventional HW (XtraVision), ViewForum, Xcelera (only if workstations are powered by Allura Xper)

3) Xper IM

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Xper Live/Ref Slaving

3

Xper Live/Ref Slaving

The Xper Live/Ref Slaving will enable the option to slave the Live or Ref video source from the Allura Xper. The total amount of

Xper Live/Ref Slaving that can be selected is max 4.

Xper Live/Ref Slaving is possible:

- In Control Room icw FCV0011(B/W monitor in Control Room)
- In Philips MCS (additional monitor excluded from this option)
- icw FCV0519 1 or 2 MCS from Skytron/Steris

8

MultiSwitch.

1

MultiSwitch/Xper Window Switch

MultiSwitch is an option that provides the ability to share the Xper workspot in the Control Room with other applications that are loaded on separate PC modalities.

The MultiSwitch option allows switching of the (colour LCD) data monitor, keyboard and mouse, normally connected to the Allura Xper system, to a separate PC modality.

Thus saving significant space in the control room as only one monitor and keyboard is used for multiple applications.

Applications that are loaded on this PC modality, will run independantly of the Allura Xper system, operated from the Xper workspot in the control room. Obvious example PC applications from PMS are Xcelera, Xcelera CLM, 3D RA, StentBoost, Viewforum.

In addition to the Allura Xper system, up to three separate PC modalities can be connected to MultiSwitch. If these PC modalities are also connected to an Ethernet Network, the ethernet connection will also be switched by MultiSwitch.

The requirements of the PC modality that is connected to MultiSwitch, and the applicable applications are:

- maximum resolution for the colour LCD display: 1280*1024 VGA
- PS/2 keyboard- and mouse interface
- complies with UL60950 regulations and EMC level A

The maximum power supply requirement for three PC modalities (incl accessoires) in total should not exceed 1400 Watts@230 VAC.

The MultiSwitch option comprises:

- KVM Switch box (4 inputs, 1 output)
- Ethernet switch (3 inputs, one output)
- 5 ea cable sets for keyboard, mouse and VGA
- 3 ea power cables for the PC modalities and one power cable for the ethernet switch
- 4 ea ethernet cables

The Xper Window Switch is an option that provides the ability to integrate networked functionality in the Control Room of the Allura Xper Flat Detector system. The Xper window switch provides the possibility to switch to CIS/RIS applications that are available on the network and are basically data-only oriented.

Xper Window Switch to any RIS/CIS

The Control Room workspot can be switched to the hospitals' Cardiology/Radiology Information System. Only the user-interface devices Data Monitor, Keyboard, and mouse are switched via standard available solutions: "X-window", and "HTML browser" to become a standard UI for the RIS/CIS system.

This option is a software key which enables the specific Xper switch functionality for only the applications, which are available on site.

Compatible with:

- . Allura Xper FD10 R.3
- . Allura Xper FD10/10 R.2

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MultiVision 4x 1

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MultiVision is the integrated video switch for high quality Progressive Display video sources. It can switch either B&W (RGB based) or color signals, with up to 4 inputs to one output.

MultiVision allows to share a Reference Display- or extra color monitor in the ceiling suspension in the exam room between the Xray system and other sources, such as a Xcelera viewstation, an Ultrasound system, a Interventional Tools station (like StentBoost, 3D CA) etc. These sources can be

allocated in the exam room or in the control room of the cath lab.

The switch is controlled by a button on the Xper Module. MultiVision provides a black image when a not operational input is selected.

Each external video source requires a Wall Connection box (not included in the MultiVision package) for the connection to a MultiVision input: only the Xper 2nd Ref Display as possible source does not require such box. The wall connection box also provides 230 V Power Supply for the connected video sources; however, in total maximum 1400 W can be supplied to the sources all together.

Comprising:

- video switch unit with cabling for max 4 B&W- or Color sources
- soft key button implemented on the Xper Module

Compatible with:

- Allura Xper series Rel 3 (monoplane versions) resp Rel2 (biplane versions) onwards.
- external video sources that comply with following requirements:
 - qualified medical electrical equipment [IEC 60601-1], or IEC 950 equipment combined with a multiple socket outlet [IEC 60601-1]
 - can be connected to the same earth as the Philips Protective Conductor Bar (PPCB).
 - provide video-output that matches the display range of the XB monitor or Colour

Monitor that is used for display

- provide a slave monitor output

Power requirements: refer to system configuration

10

Legacy Video Convertor

2

Legacy Video Convertor

The Legacy Video Convertor enables conversion from VGA towards DVI.

The Legacy Video Convertor enables conversion from VGA towards DVI for supported input resolutions,

as listed in the table below.

Signal type Native resolution Image Aspect Ratio

VGA 640x480 4:3

SVGA 800x600 4:3

XGA 1024x768 4:3

SXGA 1280x1024 5:4

SXGA+ 1400x1050 4:3

UXGA 1600x1200 4:3

WXGA 1280x800 16:10 (8:5)

WSXGA 1440x900 16:10 (8:5)

WSXGA+ 1680x1050 16:10 (8:5)

WUXGA 1920x1200 16:10 (8:5)

2K 2048x1080 19:10

TV1080I/P 1920x1080 16:9

TV 480I 720x480 4:3

TV 480P 704x480 4:3

TV 576I 720x576 4:3

TV 576P 704x576 4:3

TV 720P 1280x720 16:9

11

RIS / CIS DICOM interface

1

This package allows communication of the Allura Xper system with a local information system (CIS or RIS). The interface uses the DICOM Worklist Management (DICOM WLM) and Modality Performed Procedure Step (DICOM MPPS) standards.

If a hospital has an Allura Xper system and an information system it can receive patient and examination request information from the information system and report examination results in order to:

- Eliminate the need for retyping patient information on the Allura Xper
- Prevent errors in typing patient names and registration numbers (ensuring consistency with IS information to prevent problems in archive clusters or to search for a name in case of later retrieval)

-Inform the IS about the acquired images and radiation dose

Upon request from the Allura Xper system the complete worklist with all relevant patient and examination data is returned from the IS to the Allura Xper system. For each patient the following information will be shown on the Allura Xper after it has been retrieved from the IS:

Patient Identification:

- Patient name
- Patient ID
- Birth date
- Sex

Examination/Request Information:

- Accession number
- Scheduled procedure step start time
- Scheduled performing physician's name

It is possible at all times to enter patient demographics information manually within the Allura Xper system in case of an emergency or in case the local Information System connection is down.

On request of the clinical user the Allura Xper will report the following information about the selected patient to the IS:

Patient Identification:

- Patient name
- Patient ID
- Birth date
- Sex

Examination/Request Information:

- Accession number
- Performed procedure step status start/end date and time
- Performing physician's name
- Referenced image sequence

Radiation dose:

- Total time of fluoroscopy
- Accumulated fluoroscopy dose
- Accumulated exposure dose
- Total dose
- Total number of exposures
- Total number of frames

Further detailed information can be found in the Allura Xper DICOM Conformance Statement.

The interface requires an EasyLink (hardware and software) if the IS is not compliant with DICOM Work List Management and Modality Performed Procedure Step.

12

This interface provides image output to standard line rate video peripherals, such as VCRs or paper printers. This option also comprises automatic start and stop of a VCR, synchronous to the generation of X-ray (fluoroscopy and exposures).

13

Lab Reporting allows the user to generate and print simple reports in modality stand-alone situations. The user is able to incorporate free text and clinical images. The reporting functionality is suited for local printing and email. Part of the report is generated automatically from administrative data (e.g. patient/exam data hospital name) and required data (e.g. run-log dose information and event-log).

14

Dicom Print provides the possibility to interface to any DICOM Printer. This is an automated printing protocol. The option provides Print Manual Overrides, Print Job submission, and Print Job management.

15

This Automatic Position Controller (APC) combines APC for Allura Xper FD10 and FD20 systems with table APC.

System APC provides two modes of operation:

Preset Position Sequence: the sequence of projections is determined through personalized Xper Settings. Each set contains a maximum of 10 positions. Positions can be recalled in sequence or directly. The projection sequence comprises rotation angulation and SID settings related to the selected reference image.

Reference driven positioning: The projections on the reference monitors can be recalled with the push of a button. The reference driven positioning recollects the C-arm rotation angulation Flat detector image format and SID.

Table APC

The Automatic Position Controller (APC) for the table provides two modes of operation:

Auto positioning. The tabletop position and table height will be adjusted automatically to the pre-defined default point of interest.

This to save time and x-ray dose at the start of an exam or for setting up the system for rotation scans.

Store/recall of a position of the table top. This includes the height-, longitudinal- and lateral position of the table top.

16

Rotational angiography provides real-time 3D impressions of complex vasculature and coronary artery tree. It acquires multiple projections with just one contrast injection via a fast rotational scan of the region of interest.

Rotational Angiography can be used during screening procedures to quickly determine the optimal projection for the study as the angle (rotation/angulation) of the projection is indicated on each image.

Compared with traditional angiography, Rotational Angiography can save considerable time, dose and contrast, while providing image detail required for diagnostic and therapeutic decisions.

A rotational scan is possible both with the Allura Xper systems in the side position (ceiling mounted systems) and in the head position, providing the flexibility to perform procedures virtually from head to toe.

C-arm in side position:

- Max. rotation Speed: 30 degrees/s
- Max. rotation Angle: 180 degrees

C-arm in head position:

- Max. rotation Speed: 55 degrees/s
- Max. rotation Angle: 305 degrees

Max. Frame speeds are given by the framespeed specifications of the system configuration.

The speed and range of rotation are the highest available (see table). The very high speed allows using less contrast, whereas the very wide rotation range provides a complete evaluation of the anatomy.

A contrast run can be followed up with a mask run, to allow image/run subtraction.

The stand is designed for a very high mechanical stability. It offers precise positioning and high reproducibility, assuring you of high quality images and excellent subtraction studies.

Operation of Rotational Angiography is extremely easy. The procedure is selected, set up and executed virtually in a matter of seconds, supporting the highest patient throughput.

A set of dedicated acquisition programs is available on the Xper Module and can be selected at the touch of a button. The rotation end- and start-positions are easily selected. The procedure is controlled from the exposure hand- or footswitch.

17 **Physio Viewing** 1

Physio Viewing allows for the acquisition, storage and display of up to four channels of physiological data, in parallel with X-ray acquisition. The user can select one of the recorded physio signals for display, together with the acquired image.

18	Subtracted Bolus Chase	1
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For visualization of vessel structures when the blood flow is difficult to estimate, in particular in the lower peripherals.

Bolus Chase solves the problem of cumbersome step movements, the mismatch between blood flow and selected program, and lack of real-time image information.

During digital acquisition in non-subtracted mode with uninterrupted real-time image display, the contrast bolus is followed (chased) interactively by a motorized table scan movement using a hand-hold speedcontroller to adapt the speed of the table scan to the contrast flow. The framespeed can be adapted as well.

The bolus run is followed with a mask run while using the same speedcurve and framespeed as generated during the bolus run. Viewing is possible in the subtracted and non-subtracted mode. If subtracted viewing is not required, the mask run can be skipped.

- Allura Xper FD 10 Rel 3 and FD10/10 Rel 2 onwards
- Allura Xper FD20 Rel 2, FD20/10 Rel 2 onwards

22 **Coronary Quant.Sw pkg(Xper)** **1**

Functions:

- diameter measurement along the selected segment
- cross sectional area
- %-stenosis
- pressure gradient values
- stenotic flow reserve
- calibration routines

In addition the package allows manual measurements of line lengths (absolute and ratio's) and angulations. Multiple measurements in one image are possible.

Comprising:

- software license

Compatible with:

- . Allura Xper FD 10 Rel 3 and FD10/10 Rel 2 onwards
- . Allura Xper FD20 Rel 2, FD20/10 Rel 2 onwards

23 **Vascular Quant.Sw pkg(Xper)** **1**

Functions:

- vessel diameter / stenotic index
- automated vessel analysis
- calibration routines

In addition the package allows manual measurements of line lengths (absolute and ratio's) and angulations. Multiple measurements in one image are possible.

Compatible with:

- Allura Xper FD10 Rel 3 and FD10/10 Rel 2 onwards
- Allura Xper FD20 Rel 2 and FD20/10 Rel 2 onwards
- Allura CV20 R1 onwards

24 **Xcelera on Xper Module** **1**

This option integrates the Xcelera network application in the Allura Xper system. It allows operation of the Xcelera viewer with the Xper module in the examination room during an examination.

Display of Xcelera imaging in the examination room has to be arranged for the monitor ceiling suspension

with an additional monitor or with MultiVision (sharing an existing monitor).

Following Xcelera viewing functions are available on the Xper module:

- study selection
- replay control (start/stop/autocycle, run step, image step)
- Report selection (with page step, close report)
- image settings (adjust Contrast, Brightness, Edge enhancement) and reset to original settings

25 Cath Arm Support 1

For brachial catheterisation and digital imaging technique
The support is made of X-ray transparent material with exception of the fixing clamp and pivots.

26 Pulse Cath Arm Support 1

Facilitates catheterization through the pulse and provides room for placing catheterization instruments. It is a flat radio translucent board and is placed under the patient while a part projects at either the left or right side of the tabletop to support the arm.

Size: 100 x 85 cm

Material: carbon-fibre reinforced material

27 Ratchet compressor 1

Accessory with quick-set lever stop.

Includes:

- 3 Cotton compression belts 23 cm wide
- Ratchet-winding mechanism on one side for symmetrical compression

28 Peripheral X-ray Filter 1

Set of flexible x-ray filters to provide an uniform density in angiographic examinations of the lower peripheral area.

Comprising:

- one central filter, at the top edge provided with sizing markers at every 5 cm, length : 1 m
- two side filters, length: 1 m

29 Pivot for table base. 1

For angiographic- and interventional procedures of the upper peripherals.

Provides improved table access for patient transfer.

Allows pivoting of the table base around its vertical axes.

Pivot range from -90 degrees to + 180 degrees (or -180 to +90 degrees) with locked positions on 0, -13/+13 (facilitating arm-angiography) and -90/+90 and 180 degrees.

Comprising:

- pivot device with graduated scale to be mounted on the universal floor plate of the table.

Compatible with Xper Table

30 Xper Table Tilt 1

This innovating SyncraTilt enhances the accuracy and efficiency of gravity-oriented procedures. It is available as an option for the Xper table in Allura Xper series systems.

SyncraTilt is ideal for interventional, myelography, phlebography and head down procedures because it provides more precise imaging of contrast medium, blood, or objects in the body.

With SyncraTilt, the isocentre is automatically located at the isocentre of rotation and angulation of the stand. If the longitudinal position of the stand changes, the tilt isocentre is changed to match with the new stand position. As a result, the region of interest is always centred

As the table tilts, the X-ray beam automatically coordinates to the movement.

The table floats even when tilted, and the region of interest can be followed by panning the tabletop.

When combined with the Bolus Chase option, SyncraTilt enables phlebography to be performed with a head-up tilted patient.

The option provides:

- maximum tilt range:
- 17 degrees (head down) to +17 degrees (head up).
- tilt speed: 2 degrees/sec
- automatic safeguarding system with manual override
- panning range in tilted plane: equal to the standard
- tabletop specifications (longitudinal 120cm, lateral 35cm)
- easy to use controls
- Comprising:
 - Tilt drive with user controls

Compatible with:

- . Xper table in Allura Xper FD series Rel 3 onwards (monoplane versions) and Rel 2 onwards (biplane versions)
- . Bolus Chase
- . Pivot for table base
- . swivel for table base

31	Table top brake kit for the Xper Table	1
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The table top brake kit prevents the table top from floating in case of a power off situation. A friction brake is applied to stop the longitudinal and lateral movement of the table top.

32	Dripstand	1
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Drip stand for hanging fluid bags

33	CABLE CARRIER CS	1
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Additional carrier for suspension of cable hose from X-ray tube assembly or TV monitor.

34	Interventional Tools Hardware	1
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35	19" Color LCD monitor in Exam Room	1
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Colour: mushroom, front ultra dark grey

The Base Station package includes also:

- a cradle and the DoseView software package that can be installed on a local PC (not included), which has Windows XP or Vista as operating system.
- Mounting material for the Base Station, facilitating mounting on a wall or on a Philips Monitor Ceiling Suspension or a Philips mobile C-arm system.

10 Personal Dose Meters

The Personal Dose Meter (PDM) is a small and easy to wear active X-ray dose meter intended to measure and store received X-ray dose of staff, present in an X-ray room during radiation. The PDM has build-in radio-frequency wireless communication (868.3 Mhz for Europe version, 915 Mhz for USA version) to connect to the DoseAware Base Station for real time dose-rate indication and has a long battery life for maintenance-free usage. In addition it can be personalized to increase interest and awareness. The PDM not only records warning level profiles every second for a total of 3600 sec (cyclic overwritten), but also stores accumulated dose data every hour for maximum 5 years. A clip and a lanyard holder are included to facilitate easy wearing.

The PDM can be configured via the cradle, DoseView, and Dose Manager Software.

Dose Manager Package

The Dose Manager is a software program that serves as archive and reporting facility for all dose data of the DoseAware system. It allows tracking of multiple PDM's at a location.

Core functionality is:

- Store and manage dose history for multiple PDM's
- Collect all dose history from connected Base Stations via the network
- Browse dose history of PDM's as graph or table
- Export dose data for personal analysis with other software tools, like Windows Excel
- Create and print reports of dose history

38

Personal Dose Meter(10 pieces) 1

This package includes ten equal pieces of Personal Dose Meters.

The Personal Dose Meter (PDM) is a small and easy to wear active Xray dose meter intended to measure and store received Xray dose of staff, present in an Xray room during radiation. The PDM has build-in wireless communication to connect to the DoseAware Base Station for real time dose-rate indication and has a long battery life for maintenance-free usage. In addition it can be personalized to increase interest and awareness. The PDM not only records warning level profiles every second for a total of 3600 sec (cyclic overwritten), but also stores accumulated dose data every hour for maximum 5 years.

A clip and a lanyard holder are included to facilitate easy wearing.

The PDM can be configured via the cradle and DoseView (and the optional Dose Manager) software for the following attributes:

- Full name (max 40 bytes)

- Display user name (max 16 bytes)
- User group from list
- PDM ID (max 16 characters)
- Position on body
- Date & time = Real Time Clock, synchronized with local time, and being the clock master for the DoseAware system. With each
- connection PDM => Base Station => Dose Manager the timing is synchronized automatically.
- Date of PDM assignment to a person
- Dose history reset
- Sleep mode On/Off
- Annual dose limit

The PDM has following specifications:

- Operational unit: HP10
- Dose range: 1 μ Sv – 10 Sv
- Dose resolution: 1 μ Sv
- Dose uncertainty: 5% or 1 μ Sv
- Dose rate range: 10 μ Sv/hr – 50 mSv/hr
(3 nSv/s – 15 μ Sv/s)
- Response time: < 4 s, 40 μ Sv/hr – 100 μ Sv/hr; < 1 s above 100 μ Sv/hr
- Energy dependency X-, γ -rays: N40-N160 (33keV – 118 keV)
- Average battery life: 3 – 5 years, depending on daily use
- Weight: 30 gr
- Dimensions: 45 x 45 x 10 mm (w x h x d)
- Personalization: 8 inlays with colour
- Communication radio: Center frequency 868.3 Mhz for Europe version
915 Mhz for USA version

39

CV Full Travel Pkg OffSite

2

Includes one (1) participant's airfare from North American customer location to Cleveland, Ohio, with lodging, ground transportation, and meal expenses. Breakfast/dinner provided by the hotel, and lunch/breaks are catered by Philips. All other expenses will be the responsibility of the attendee. Details are provided during the scheduling process. Note: Cancellation/rescheduling policy strictly enforced.

Education expires one (1) year from equipment installation date (or purchase date if sold separately).

40

CV Add OnSite Clin Educ 28h

2

Clinical Education Specialists will provide twenty-eight (28) hours of CV OnSite Education for up to four (4) students, selected by customer, including technologists from night/weekend shifts if necessary. CEU credits may be available for each participant that meets the guidelines provided by Philips. Please refer to guidelines for more information. Note: Philips personnel are not responsible for actual patient contact or operation of equipment during education sessions except to demonstrate proper equipment operation. Education expires one (1) year from the earlier of equipment delivery date or purchase date.

41	Blue Anti-Fatigue Floor Mat w/ Logo Blue Anti-Fatigue Floor Mat w/ Logo	1
42	Rad Shield w/ Arm (Contoured) 61X76 Contoured Rad Shield with Arm rest. 61X76	1
43	MOBILE RADIATION SHIELD Mobile radiation protection shield on 4 casters with adjustable clear acrylic window. Base is 78cm wide and 107cm high and has 1 lead equivalency. Window is 70cm wide and is adjustable from 115 to 190cm high and has 0.5mm lead equivalency.	1
44	Cable Spooler	1
45	M LED 3MC Light MAVIG M3 MC LED - Multi Color / power Supply Included Includes Portegra2 Ext Spring Arm 75/90cm	1
46	Cart for Cvi Injector	1
47	Cntrl Panel Stem Tbl Clamp-Cvi	1
48	Power Supply Floor Mount - Cvi	1
49	ACIST CVi Contrast Del Syst CVI Contrast Delivery System - System includes injector head, touch screen monitor, transducer back plate, power supply floor mount, adjustable arm kit, utility tray kit, table mounting brackets, User/Training Manual, and one year warranty).	1
50	Portegra 2 360 Ceiling Column Portegra 2 360 Column w/ trolley and ceiling track	1
51	Volcano Joystick Option Kit A compact joystick that comes with a clamp to be mounted on the patient bedrails. Some physicians prefer to control the IVUS system via a joystick, and this option provides this functionality. Can be operated under the sterile drape.	1
52	Volcano Print Kit A compact color thermal printer that is used to print IVUS images for physician reference, the patient file, or to provide to the patient. Connects directly to the CPU in the control room via USB.	1

53	Volcano Video Switch Opt kit	1	In cases of established labs that have limited monitors on the boom, an optional 4-port video switch permits for toggling of multiple video inputs to one monitor. If the lab already has a video switch with an open port, this option would not be required.
54	Volcano Witt ECG Cable Kit	1	The VH IVUS functionality from Volcano requires an input signal from the labs ECG signal. This custom connector ensures connectivity for the ECG signal from a specific ECG system. NOTE: Every s5i installation will require an ECG connection. Note the labs ECG system when ordering.
55	Volcano IVUS s5i	1	<p>The base components required to operate a Volcano IVUS s5i system, including: the system CPU; a control console for the control room; a bedside touchpad controller; a patient interface module (PIM); an isolation transformer through which power is supplied to the CPU; a USB extension kit which transmits data and power between the CPU and patient bedside-mounted peripherals; a 19" LCD monitor for the control room. The core bundle also includes installation of components, excluding pulling cables, which will be done by Philips.</p> <p>Cables required to operate the Volcano IVUS s5i system. The kit includes a patient interface module (PIM) cable, a shielded CAT5 Ethernet cable, an ECG cable, and a grounding cable. These cables need to be laid in the dedicated pipe connecting the patient table area to the control room. All cables in this kit are 30 meters in length.</p> <p>Patient interface module (Pimmett) for FFR wires and all hardware required for the Fractional Flow Reserve</p> <p>Fractional Flow Reserve for IVUS system. FFR measures pressure changes in the vessel to assess lesion significance. System is compatible with Volcano's PrimeWire™ product. Includes FFR PIM and FFR cable.</p>
56	Rotational IVUS Upgrade Kit	1	Rotational Option: Adds rotational IVUS functionality to the IVUS system. System is compatible with Volcano's Revolution™ catheters.
57	Universal Power Supply	1	25 KVA Universal Power Supply (UPS)
58	Contract Labor	1	Free Removal of Allura FD10
59	Trade in Allowance	1	<p>Customer represents and warrants that (i) Customer has, and shall have when title passes, good and marketable title to the equipment being traded in and (ii) has the authority to effect such trade in.</p> <p>Product: 100210.000 Allura Xper FD10 Serial Number: 26 Manufacturer: PHILIPS HEALTHCARE</p>

Xper Flex Cardio Control Room

Xper Flex Cardio Control Room configuration is a physiomonitoring/hemodynamic system that is optimized for the cath lab environment. The system allows for monitoring the patient's vital signs as well as allows for hemodynamic measurements required during interventional procedures. This Control Room configuration consists of a signal acquisition unit that is installed within the procedure room and a computer workstation in the x-ray control room. This configuration is typically used within the cath lab, hybrid OR and multi-purpose labs where cardiac monitoring is required. User logins allow for networking to a central database server for archival of case procedure information. The system outputs the monitored signals to a boom display within the procedure room, while dual LCDs displays connected to the control room workstation can be used for all of the hemodynamic and information management functionality.

Software Features:

- Physiomonitoring, manual or automated entry of patient information in case details, sampling of waveforms, charting, hemodynamics
- Non-clinical functionality available via Xper Information Management modules loaded on the control room workstation

Xper Information Management modules included:

- Hemodynamic control software
- Charting for case procedure documentation
- Hemodynamic calculations
- Vitals capture
- Scheduler

Optional Features:

- FFR Measurement for Volcano or St. Jude
- End Tidal CO₂ (Side Stream and/or Main Stream)
- 16 Lead ECG
- ECG Analysis using Philips DXL Algorithm

Optional Modules:

- Xper IM Documentation Workflow Modules
- Xper IM Registries
- Xper IM Patient Status Viewer

Minimum Hardware included:

- Flex Cardio device (Model FC2010)
- Workstation
- Dual LCD Displays
- Keyboard
- Mouse
- Patient cable kit

Minimum Software included:

- Microsoft Windows 7 or greater
-

- Current version of Xper IM software for workstation
- PC Anywhere v12.5 or greater
- McAfee Antivirus

Monitoring functionality included:

- NIBP
- Respiration
- Temperature
- 12-lead ECG
- SpO2
- Cardiac output (Thermodilution)
- Invasive pressures (4 channels)

Requires purchase of:

- Xper IM Data Center SW
- Table Mount
- 4:3 LCD HQ Display

NOTE:

- Pressure transducers, or adapter cables, are not included.
- Contact: Fogg System Company
- USA: 1-800-525-0292
- <http://www.foggssystem.com/>

2

Side Stream ETCO2

1

Incorporates Side Stream End Tidal CO2 monitoring capabilities to Xper Flex Cardio devices via external Philips Sidestream cable (M2741A)

- Monitoring accomplished via nasal canula.

Include:

- One box (10 each) disposable Adult CO2/O2 Nasal Canulas (M2750A)
- One box (10 each) disposable Pediatric CO2/O2 Nasal Canulas (M2751A)

3

FFR Measurement Volcano

1

The FFR Measurement for Volcano option enables a Volcano SmartMap(tm) device to be connected to Xper Flex Cardio physiomonitoring system for integrated Fractional Flow Measurements.

Features

- Compatibility with Volcano SmartMapTM device allowing use of Volcano guide wires for monitoring pressure waveforms
- Ability to record a sample of the pressure waveform
- Real time, dynamic FFR measurement and capture
- Retrospective review of FFR pressure waveform

Requires

- Model 6500 SmartMap Pressure Instrument (not included)
- *Customer is responsible for purchasing the SmartMap Model 6500 device and compatible guide wires directly from Volcano Corporation

4

Total Number Xper Concurrent User Licenses

7

The quantity shown for this item indicates the TOTAL number of Concurrent Users customer would have after purchasing additional licenses offered within this proposal.

This total is derived by taking into account any existing concurrent users licenses the customer currently owns, and adding that number to the quantity being offered under a separate line item. For this reason the TOTAL number may be more than the quantity offered herein.

5 **Xper IM Concurrent User License** **2**

Xper Concurrent User licenses provide floating access to interact with a single server. While the quantity of clients is uncontrolled, the total number of concurrent user licenses available determines the maximum amount of simultaneous users on the network at any moment in time.

- Allows access to all purchased Xper Information Management workflow modules at networked workstations
- Hospital to provide network card(s), hub ports, cable to node(s), and implement installation of hardware

Requires:

- Client Workstation HW
- Data Center SW

6 **Xper IM Workspace** **3**

4

Hardware for use with concurrent user licenses and Patient Status Viewer software.

Minimum Workstation Hardware Included:

- Main Board
- 3.0 GHz or greater hyper-threading processor
- 2 GB RAM
- 80 GB or greater hard drive
- DVD-ROM drive reader
- Video – 1280 x 1024 res, 24/32 bit color (optional Dual Head DVI)
- 10/100/1000 MB network adapter (may have multiple)
- Mouse
- Keyboard

NOTE: Xper IM Concurrent User Licenses and/or Patient Status Viewer license must be purchased separately.

7 **4:3 LCD HQ Display (19 inch)** **3**

19" Medical Grade LCD Color Display (1280 x 1024 resolution) for mounting on suspension boom in procedure room, or for use with client workstations

- Includes VGA Cable (To be pulled / installed by customer). Cable not included with Boom monitor if purchased with a hemodynamic system, as the cable is included with that product.

8 **GCX Rolling Stand** **3**

1

For mounting of VESA Compatible Flat Panel displays.

Includes:

- Rolling stand
- Keyboard / Mouse support arm
- CPU mounting bracket
- Flat Panel display mounting base

- Storage basket
- Support arm for Flex Cardio device

Notes:

*This roll stand does not support mounting of dual displays.

*Customer purchasing Xper Flex Cardio Bedside Solution will also need to purchase the Xper GCX Articulating Arm for mounting of the FC2020 device.

9 Xper Flex Cardio Table Mount 1

6

This Xper Flex Cardio Table Mount is a customized mounting system and is required to mount FC2010 to x-ray table. The mount includes cable management to minimize clutter of cables connected to the FC2010 device.

*This wall mount is optimized for the Philips Allura X-ray table, but could be used for x-ray tables from other manufacturers.

10 GPO On-Site Professional Services 16

Philips Healthcare applies disciplined project management methodology to delivery of each engagement. Our methodology closely parallels the Project Management Institute's (PMI) worldwide -recognized framework of Initiating, Planning, Executing, Controlling and Closing. The Philips team, led by an experienced project manager, will work with you throughout the duration of the project to deliver the products and services described in this quotation. Team members typically include the following:

- Implementation Specialists - responsible for technical work such as installation and configuration of the system hardware and software
- Application Consultants – responsible working within the clinical environment providing expertise in workflow, application configuration and training
- Integration Engineer – responsible for development and testing of HIS and clinical interfaces

The work effort to implement your solution is based upon the specific configuration that has been defined in the quotation. The Statement of Work (SOW) or Project Scope Document (PSD) describes how the solution will be implemented within your environment.

11 GPO On-Site Training PS 14

Provides onsite training to be delivered by a Philips Healthcare Application Consultant. Training is valid for one year from the date of purchase. Any unused training will expire after this time. Refer to the Statement of Work (SOW) or Project Scope Document (PSD) for additional detail.

12 Total number of Facilities 1