Description

Aim FAST is Ysio Max's unique positioning system, with free, simultaneous movement of up to 6 axes. Aim FAST provides fast, short and certain movement to the acquisition position due to its high performance drives.
Up to 1000 user-defined system positions can be stored using the organ programs.
Wireless remote control with the SmartMove button for system positioning.
Service configurable objects in the room that can be detoured around during positioning.
Service configurable servo assisted ceiling stand movement in X, Y and Z axes.
Automatic tube centering function on the detector tray in the table and Bucky wall stand.
Cable routing to the stand in the energy chain, for free access to the patient.

Technical details:
- Cesium iodide (CsI) scintillator with Amorphous silicon (a-Si) material
- Detector acquisition matrix approx.: 2350 x 2866
- Pixel size: 148 µm
- Acquisition depth (gray scales): 16 bits
- Acquisition formats up to: 34.9 cm x 42.4 cm (13.7" x 17").
- Thickness: 19 mm
- Detector weight: 3.3 kg (with battery)
- Max. load 150 kg (patient lying down) and 100 kg (patient standing).
- MAX wi-D - 1 battery
- Data transfer via WLAN

Operation time:
- At least 950 images
- Min. 5.5 hours under normal load
- Min. 6 hours in standby mode

Technical details:
- Grid ratio 5:1, 85 lines/cm
- Grid focusing for source-image-distance (SID) of 115 cm (45")
- Dimensions (W x H x D): 472.1 mm x 410.1 mm x 28.4 mm (18.58"x 16.14"x 1.1")
- Weight: 1.1 kg (2.4 lbs)

Detector Bucky
The detector Bucky with single-handed operation includes an IONTOMAT three-field chamber for automatic exposure control (incl. three-field templates) and a device for symmetric positioning of the flat detector.
- Front plate - detector distance ≤45 mm.
- Radiation absorption of the front plate ≤0.5 mm Al.
- A stationary, exchangeable transparent grid for scattered radiation reduction; 13/92. Optionally for SID 115 cm and/or 180 cm, or universal grid with a field from 115 to 180 cm (see tender further down).

Integrated MAX static 43 x 43 flat detector
Integrated, fixed flat detector for digital image acquisition, CsI-scintillator, amorphous silicon (a-Si).
- Detector acquisition matrix: 2869 x 2874
- Pixel size: 148 µm
- Acquisition depth (gray scales): 16 bit

Description

- Acquisition formats: up to 42.5 cm x 42.5 cm

Accessories
Scope of delivery:
- Lateral patient handles for optimum patient positioning, e.g. during PA thorax exposures.
- Patient overhead handle, swiveling around the horizontal axis, for optimal patient positioning for lateral acquisitions.

Provides:
- On/off tube tracking
- On/off light localizer
- Tube parking
- Tube centering
- Autopositioning of tube

Full function only available in combination with the Aim/ Aim FAST option
Note: Standard for Aim FAST / Option for Aim

Height-adjustable patient positioning table with floating tabletop and detector Bucky for wireless MAX wi-D detector.

Ysio Max table:
- Free access to table and patient from all sides.
- Patient positioning tabletop 80 cm x 240 cm.
- Longitudinal and transverse travel: ±48 cm and ±14 cm (±0.4 cm).
  (maximum longitudinal coverage without patient repositioning 190 cm)
- Height adjustment of the tabletop 44 cm: from 51.5 to 95.5 cm (±0.5 cm).
- Radiation absorption ≤ 0.65 mm Al
- Max. patient weight 300 kg.
- Longitudinal movement of detector tray (from edge to edge) ≥100 cm.

Accessories
Scope of delivery:
- Lateral patient handles. The grips make patient positioning easier, and being able to hold on to the grips gives the patient a feeling of security.

Provides:
- Autopositioning
- Raise/lower table
- Release longitudinal/transverse travel of tabletop
- Tube parking

Full function only available in combination with the Aim/ Aim FAST option
Note: Standard for Aim FAST / Option for Aim

Height adjustment, release, and locking of the floating tabletop is done through a foot kick switch. The foot kick rails are located in the foot area both at the front side and the rear side of the patient positioning table and can be programmed individually at the time of installation. This prevents accidental operation by patients or accompanying persons.

Charger unit for charging the MAX wi-D rechargeable battery when the detector is in the charging cradle (table or BWS). The charger unit is required if a MAX wi-D cradle was selected for the table or BWS. Also required for the configuration of the wi-D charging cradle on the table or BWS.

Space for 3 batteries, with LED indicator for charge status. The charger connects to a wall socket using a power cord.
This item includes the following components:
- 1x battery charger
- 1x power supply
- 1x battery

High-frequency X-ray generator with multipulse voltage waveform for diagnostic acquisition procedures at workplaces without FL function. The multi-pulse voltage waveform enables high data accuracy, precise reproducibility and short exposure times.
- Multi-processor system for organ programs.
- Free selection of radiographic parameters.
- Electronic generator monitoring during exposure.
- Tube load computer with acoustic alarm and interval display.
- Integrated automatic exposure control.

Generator control fully integrated in the system console.

Rating:
- 80 kW at 100 kV acc. to IEC 601.
  max. 800 mA at 100 kV
- Tube voltage: between 40 kV and 150 kV

Workplaces:
- max. 3 selectable workplaces (Bucky table, Bucky wall stand, and free acquisition).
- One (1) dual focus X-ray tube assembly can be connected.

Power connection:
3 phase current: 380 V, 400 V (±10%); 50/60 Hz.

CAREMAX plus Dose Area Product (DAP) meter is connected to the collimator via CAREMAX adapter cable. The Dose Area Product (DAP) is being displayed on the system control console TUI and recorded in the exam protocol.

The monitor features a very high contrast even under very bright ambient light conditions. The Gamma curve was precisely adapted to the CIE/DICOM recommendation and is thus suited especially for gray scale display.

Technical details:
- 19" (48 cm) screen size
- Resolution: 1.280 x 1.024 (pixel)
- Maximum brightness (typ.): 280 cd/m^2
- Flicker-free and distortion-free image display
- Anti-glare screen

The controlled background lighting provides stable lighting throughout the entire product life cycle.

Technical details:
- Grid ratio 13:1, 92 lines/cm
- Grid focusing for source-image distance (SID) of 140 cm (55")
- Working range (SID) 115 cm to 180 cm (45" to 71")

Technical details:
- Grid ratio 15:1, 80 lines/cm

Description

- Siemens lead/fibre technology
- Grid focusing for source-image distance (SID) of 115 cm (45")

Technical details:
- Grid ratio 15:1, 80 lines/cm
- Siemens lead/fibre technology
- Grid focusing for source-image distance (SID) of 180 cm (71")

DICOM MWL (Modality Worklist):
Import of patient/examination data from an external RIS/HIS patient management system.

DICOM MPPS (Modality Performed Procedure Step):
Sending of dose data, patient data, and examination data to an external RIS/HIS patient management system.

Note concerning DICOM interface(s)
The description in the "DICOM Conformance Statement" downloadable from the Internet is exclusively binding for the functionality of the DICOM interface(s).

Functionalities across system borders with/between partner systems require explicit validation, since the interpretation of the interface by the partner/target system is not part of the product's responsibility.

A modification of the interface that might be required is not included in the offer; e.g. for the rare case, that available configurations are not sufficient.
With regard to expenses for interface configurations that might be required, the agreements on maintenance/service of the product apply.

This software license enables the Workplace System to support enhanced user and system management, including:
- user authentication to prohibit unauthorized access
- privileges to define user/role based functionality
- permissions to control data access.
- audit trails to log system and data access.

Technical details:
- Weight: 3,15 kg
- Dimensions: 16 cm x 36 cm x 12 cm (L x B x H)
- Belt width: 23 cm
- Belt length (completely unrolled): 144 cm

Technical details:
- Length: 198 cm (78")
- Width: 66 cm (26") (of which 53.5 cm is padded)
- Thickness: 2.5 cm (1")
- Weight: 2.7 kg (5,9")