

Salient Characteristics of Ultrasound Probe Testing Equipment

The salient features of the set are for fit, form and function:

- Spatial sampling and resolution come with an imaging sensor resolution of 0.2mm while actual resolutions are typically $< 1\text{mm}$ and is “frequency-of-probe dependent”, i.e., the higher the frequency of the probe under test the better the spatial resolution.
- Bandwidth 1MHz-20 MHz
- Mode detection/ principles of operation: The Unit device detects pressure amplitude
- The Unit captures acoustic image at up to 250 frames per second (fps) and displays a full image of the aperture at 30fps
- Unit provides real-time focal plane imaging of the acoustic output at the probes surface
- Has an input-output interface through USB/Video.
- Operating: Temperature Range 10° - 40°C , Humidity Range 20% - 80% non-condensing
- Shipping and Storage: Storage Temperature -25° - 65°C , Humidity Range 20% - 95% noncondensing. Cylinder must not contain water for shipping and storage
- Electrical: 100-240VAC 50-60H