

THE New Economic and Reliable TOFD Scanning System EKOSCAN



EKOSCAN FEATURES

Receiver

- Gain : 0 to 80 dB 0.1 dB step
- DAC curve 80 dB dynamic
- Filters 0.5MHz, 1 MHz, 2 MHz, 5 MHz, 10 MHz and one broadband,
- Mode reflexion / transmission software selectable
- Bandwidth 0.5 MHz to 30 Mhz.
- Noise 1 μ V / square(frequency) RMS
- High frequency / full rectified / positive polarity / negative polarity
- Linearity +/- 1 dB on total gain dynamic (0 to 80 dB)
- Screen linearity : +/- 1%

Transmitter

- Voltage : 10 to 230 Volts
- Width : 50 nS to 3 μ S, 0 position allows 25 nS at 100 Volts
- Falling time (internal 50 ohms load/150 Volts / 10 to 90 %) : < 10 nS
- Repetition frequency : 300 Hz to 20 000 Hz
- MTBF : 100 000 Hours

Digitiser

- 12 bits
- 80 / 160 MHz sampling frequency (non interlaced)

- linearity < 0.1 %
- Buffer on board 512 Ko

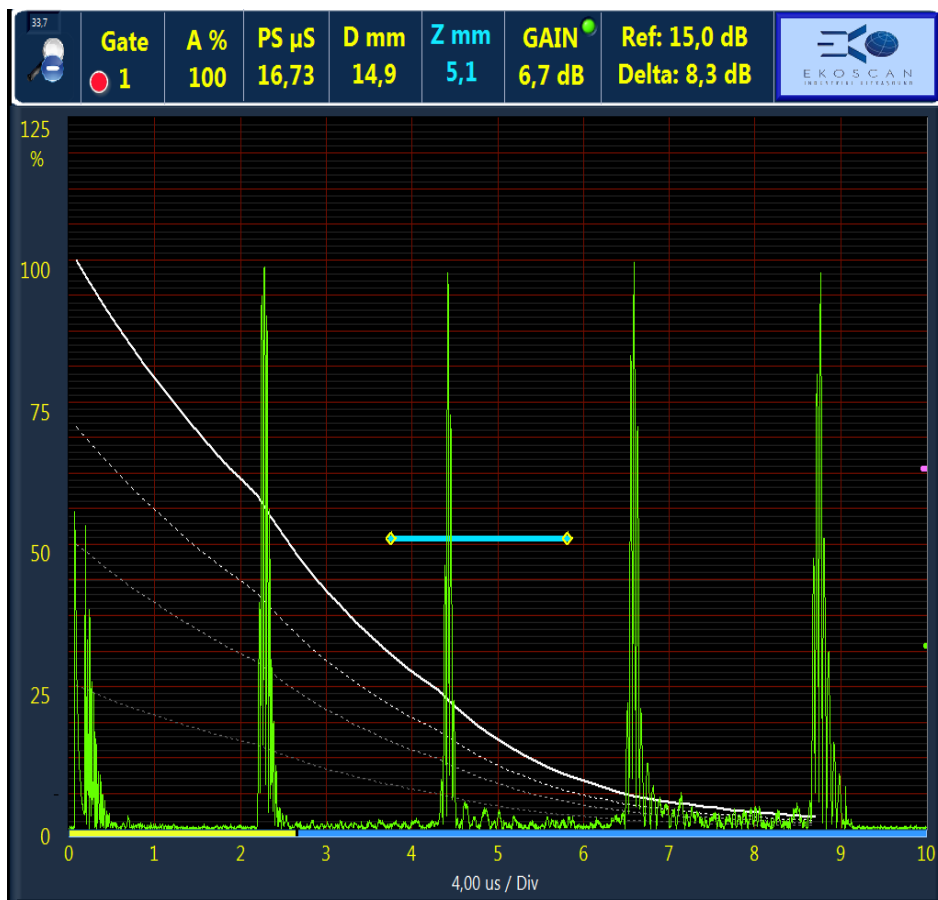
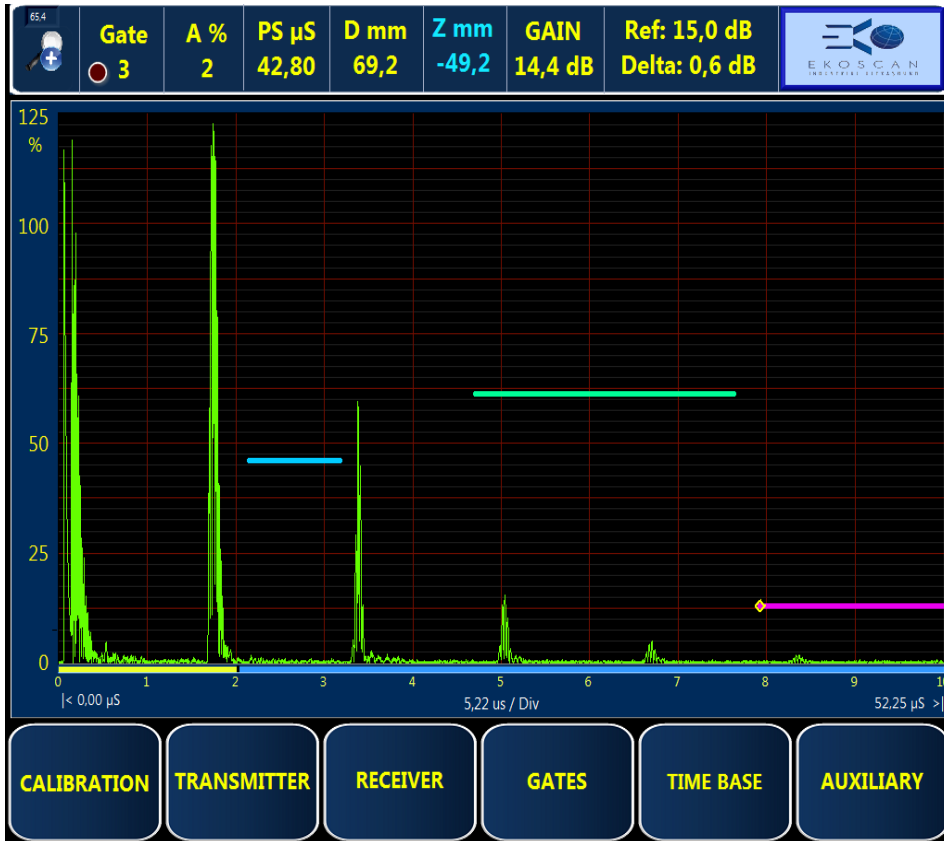
Interface

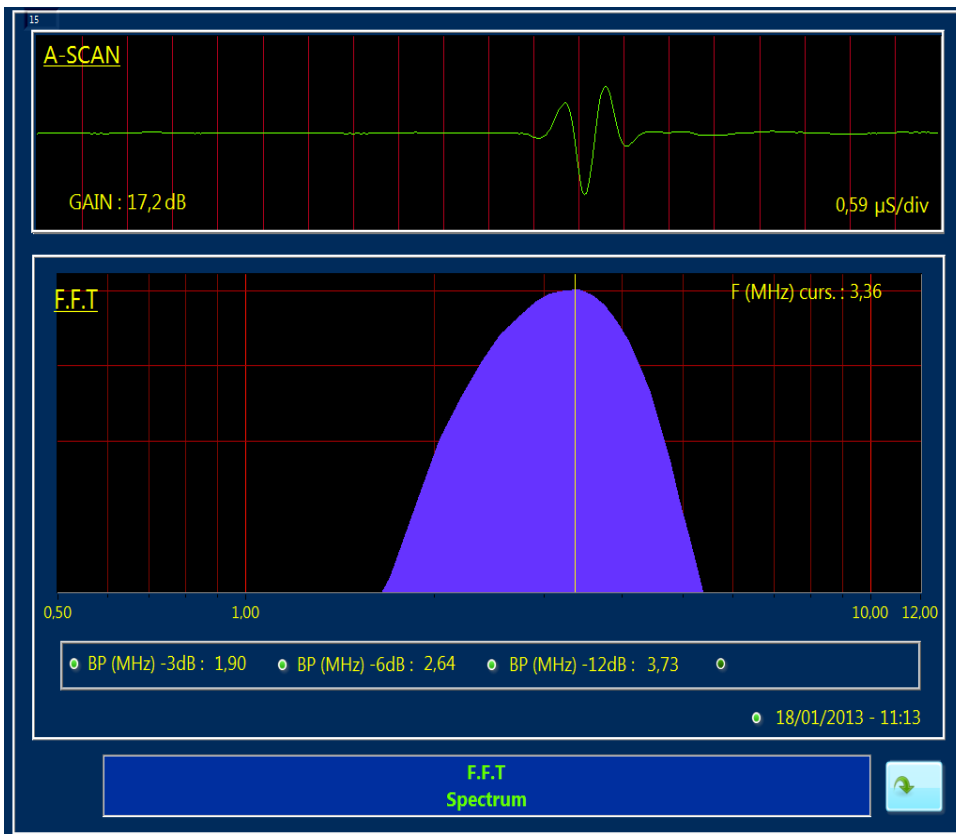
- Interface USB 2.0 at speed up to 480 Mbps.
- Compatible with Windows* 98 / XP / Win 2003/ Windows 7/ Windows 8.

I/O

- analogue output 1
- analogue output 2
- analogue output 3
- Alarme 1 (TTL)
- Alarme 2 (TTL)
- Alarme 3 (TTL)
- Encoder 1 phase A
- Encoder 1 phase B
- External trigger* (TTL) 5 Volts max

Graphical interface (Keyboard and Touch Screen control)





15MHz 3mm probe inspection SS304 bar with 2.3.4.5.6.7.8.9.10.11.12 11ea. 1.0 mm dia. side drill holes

