



Business-Card
Size

Ultrasonic module **UTC110** :

The new system developed by EUROSONIC team concentrates recent developments in microelectronics in accordance with the requirements of **Ultrasonic Inspection**.

Ready to work in echo mode or transmission, this module has two inputs encoders and can be integrated into a small box IP65.

Suitable for embedded applications requiring ultrasonic real-time acquisition, UTC 110 is positioned as a measurement tool for on-site inspections, centers training, OEM and laboratories.

- ✓ Integrated UT system
- ✓ A, B or C scan view
- ✓ 2 encoders input (up to 4 on request)
- ✓ Interface with X - Y or R - Θ scanner
- ✓ Powered by USB
- ✓ Compact size and low weight
- ✓ Synchronisation of multiple modules
- ✓ Euroscan V & Utwin Softwares
- ✓ Compatible with Seven, Windows 8, Mac OS, Linux
- ✓ DLL available (Labview, Matlab, etc.)
- ✓ Software Development on request
- ✓ Pack Starter, TOFD Pack, Pro Pack available

A smart tool for...

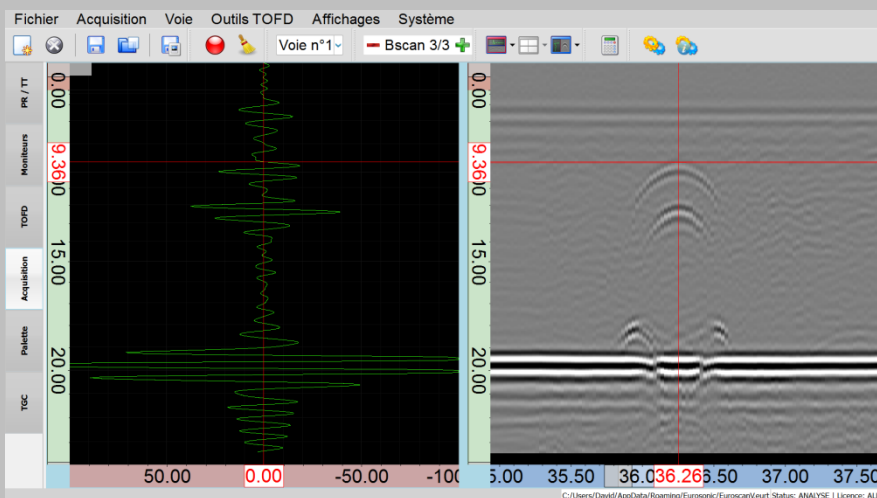
INDUSTRIAL APPLICATIONS

- Flaw detection & Thickness Measurement
- Tube and pipe inspection
- Flaw Inspection & TOFD
- Monitoring
- Composite & Metal materials
- Rope access
- OEM Application

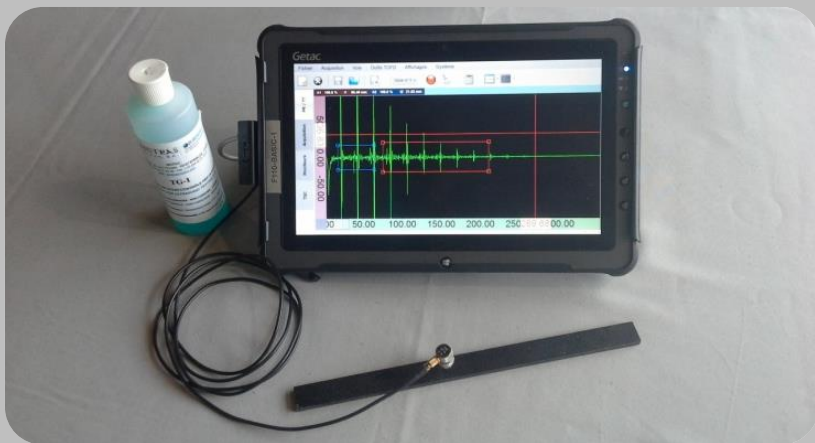
LABORATORIES APPLICATIONS

- Young's Modulus
- Signals record and exportation
- Research and Development
- Training
- Real time Fourier transform
- Real time Wavelet decomposition filtering
- Algorithmic development

... for Non Destructive Testing.



- EUROSCAN Software – A/B/Cscan -



- 110 TAB system -

PULSER

Type.....Spike
 Voltage.....30 à 280 V
 Width of spike.....20 à 400 ns
 Resolution of width.....5 ns
 Fall time.....4.8 ns
 Rise time.....5.2 ns
 PRF.....10 kHz max

RECEIVER

Amplification.....0 à 88 dB
 Averaging.....2, 4, 8, 16
 Noise.....21 nV / Hz
 Linearity of TGC.....40 dB/us
 Resolution of TGC.....10 ns
 Number of TGC points.....256
 Bandwidth to @ -3dB.....22 MHz

DIGITIZATION

Resolution.....12 bits
 Frequency.....25, 50, 100 MHz

FILTERS

Type.....Digital
 Coefficients.....32
2.5 MHz
5 MHz
10 MHz

MEMORY

Type.....SRAM
 Capacity.....2 MB
 Resolution.....16 bits

ENCODERS

Number.....2 or 4

COMMUNICATION / POWER SUPPLY

.....USB

CONSUMPTION

Power consumption.....2.8 W

WEIGHT

.....150 g



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