

HARDENED ULTRASONIC SYSTEM: TFL 110

Eurosonic company offers excellence in study, design and manufacture dedicated to **Non Destructive Testing by Ultrasonic Method**. With a high-technology product range and a capacity of innovation in electronic, mechanical and software domains, Eurosonic satisfies the most demanding needs for our customers: OEM solution, Immersion Tank, retrofit, monitoring, fast acquisition system , TOFD, TRACKS Inspection...



High-performance Integrated Ultrasonic System

Quick implementation easy to use

2 encoders inputs, P/R, TOFD, Automatic inspection

Delivered with Euroscan software or UTwin

A, B & C - Scanview

Applications: Weld testing

Inspection of pipes and pipelines

Characterisation using the TOFD method

Mapping and profilometry



MISTRAS

EUROSONIC

HARDENED ULTRASONIC SYSTEM: TFL 110

TECHNICAL SPECIFICATIONS

PULSER

Type.....Spike
 Tension.....20 to 230 V
 Width of spike.....20 ns to 400 ns
 Resolution of width.....5 ns
 Fall time.....4.8 ns
 Rise time.....5.2 ns
 PRF.....10 KHz max
 Output impedance.....50 Ohms

RECEIVER

Amplification.....0 to 90 dB
 Hardware Averaging.....2, 4, 8, 16
 Noise.....21 nV / $\sqrt{\text{Hz}}$
 Linearity of TGC.....40 dB/ μs
 Resolution of TGC.....Down to 50 ns
 (With 10 ns interpolation)
 Number of TGC points.....Up to 256
 Bandwidth to 6 dB.....900 KHz to 31MHz

DIGITIZATION

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

FILTERS

Type/coefficient.....FIF / 32
 Setting (MHz).....Off / 2.5 / 2.5 - 7.5 / 5 - 15

MEMORY

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

ENCODERS

Numbers.....2

COMMUNICATION

Type.....USB 2.0

DIMENSIONS

Length/Width/Height.....92 mm * 39 mm * 33 mm

BOX

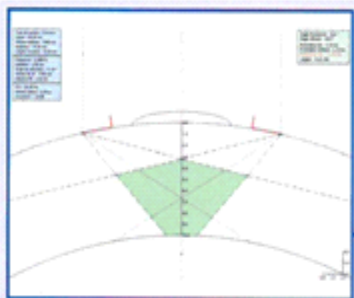
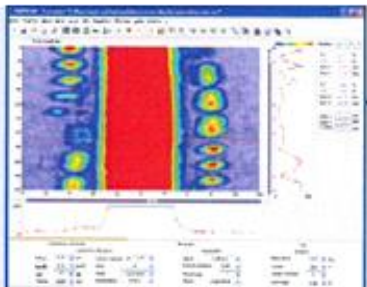
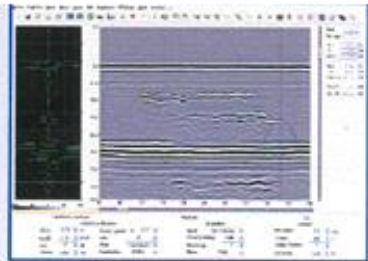
Waterproof.....IP65
 Mounting.....On RunnerM/Runner2M anything else on request

POWER CONSUMPTION

.....< 3 W

CONSUMMATION

Power consumption.....2.8 W



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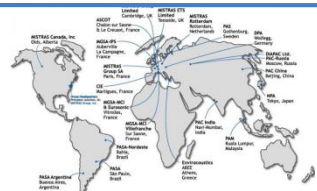
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15 min
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