

ETboxMB

ETboxMB. Portable Eddy Current Instrument

ETboxMB is a portable eddy current instrument multi-channel and multi-frequency for flaw detection, conductivity and thickness measurement. ETboxMB is available in several models connectable to Tablet with windows by wifi or USB to meet the widest range of inspection needs. ETboxMB weighs less than 1kg (battery included).



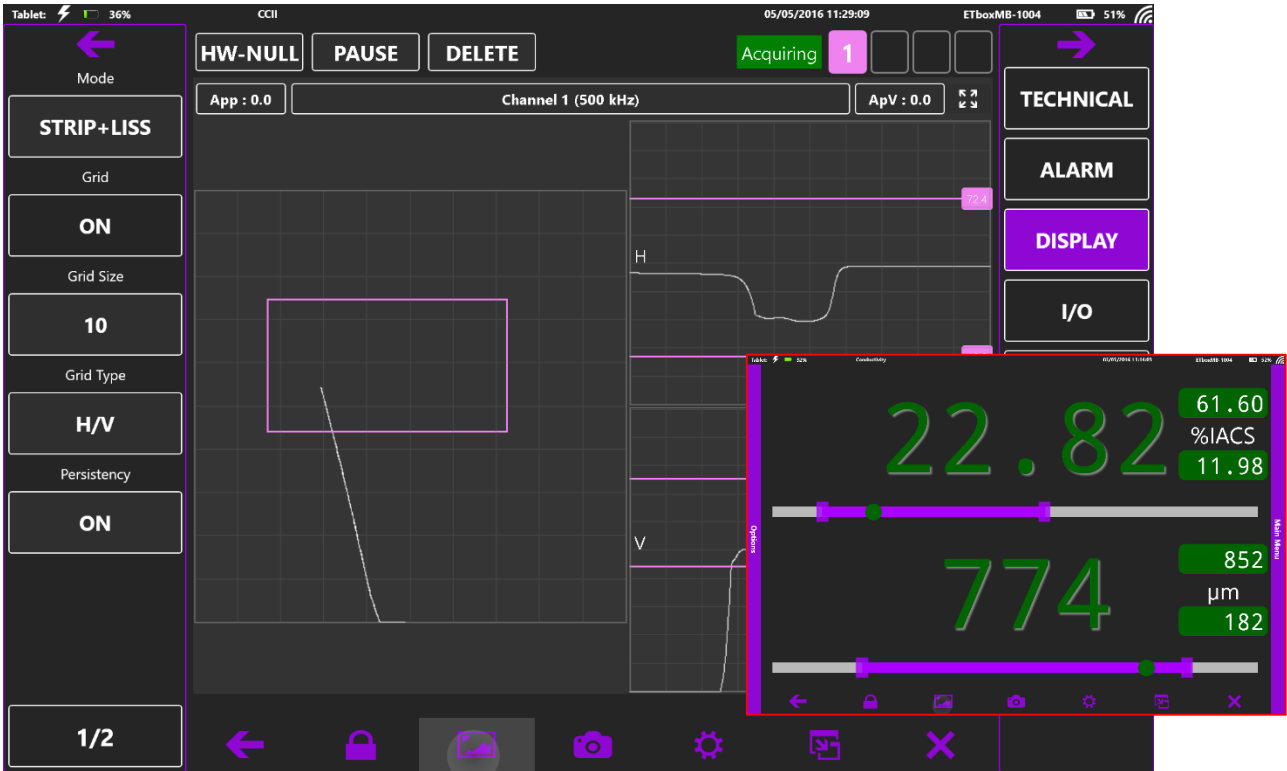
ETboxMB

ETboxMB. Main Features

- CE compliant.
- Long battery life (up to 10 hours).
- Probes supported: Standard EC, Conductivity, Rotary scanner, ECA.
- Probe and I/O connector
- SW running display in Tablet or laptop
- WiFi or USB connection.
- Full-screen option in any display mode. (Lissajous, Strip chart, Stripchart-Lissajous, Waterfall, Cscan and 3D View.
- Improved filters for rotary scanner mode.
- Very intuitive user interface (several languages).
- 10Hz to 10MHz frequency range.
- Automatic internal balancing (hardware null).
- Up to 4 real-time channels.
- Customizable reports with templates
- One click report generation (photos and screen captures)

ETboxMB SOFTWARE (Diana)

ETboxMB software (Diana) includes advanced and intuitive user interface for EC flaw detection, sizing, conductivity and thickness measurement and specific views for Standard EC, Conductivity, Rotary scanner and Array probes.



ETboxMB. Technical Specification

Power:	Internal battery or External charger (100 VAC to 240 VAC, 50 Hz to 60 Hz).
Operating Temperature:	0°C to 40°C
Storage Temperature:	-20°C to 50°C (max), -20°C to 25°C (recommend)
Instrument Weight:	0.7 Kg (with battery)
Instrument Size:	112 x 131 x 59 mm
Communications:	Wifi or USB
Battery life:	Up to 8 hours for standard operation; TBD hours operating rotary scanners.
Display type:	Tablet compatible with Windows
Languages:	English, Spanish
EC views:	Lissajous, Strip chart, Stripchart-Lissajous, Cscan and 3D View. Up to 4 channels simultaneously.
Software and Applications:	Conductivity/Thickness, Eddy Current, Rotary, Array
Conductivity/Thickness:	60KHz,120KHz,240KHz,480KHz,960KHz 1% to 110% IACS 0 to 1 mm
EC:	10Hz-10MHz 4 channels 0-16Vpp 0-90dB, 0.1dB increment
Rotary:	Regulated motor speed. Shows real motor speed. Warning if motor speed is out of range.
Array:	Cscan and 3D views in real time. Easy calibration process.
Alarms:	4 simultaneous alarms. Choices include Rectangular, Circle, Polar (sector), Up/Down (level), Conductivity, and Coating Thickness.
Probe Types:	Absolute and differential in either bridge or reflection configuration. The instrument is fully compatible with probes from other suppliers.
Input/Output:	2 encoders, incremental or pulse type. 2 digital inputs, 4 digital outputs 2 analog outputs

Application Fields

- **Aerospace Maintenance and Manufacturing.**
- **Industrial (Automotive, Railway, Metallurgy, etc)**
- **Components testing**



- **Flaw detection and sizing**
- **Conductivity Testing**
- **Thickness Measurement**
- **Corrosion Detection**
- **Bolt Hole Inspection**
- **Surface Inspection**



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