

# ETi SERIES - 100 & 200

## FULLY FEATURED EDDY CURRENT FLAW DETECTOR



The *ETher NDE* ETi Series is a high specification Eddy Current Flaw Detector and comes in two options, the ETi 100 and ETi 200. The ETi 100 is single channel while the ETi 200 offers two channels. Both offer the ability to multiplex up to eight frequencies. All eight frequencies can be viewed simultaneously as phase plane, strip chart or timebase.

The ETi appeals to Eddy Current Professionals in all industries that require NDT. Some of the ETi's specific applications include tube-testing, wire testing, testing of laminated structures and bolt hole inspection.

The ETi also houses a SD storage card on board as well as USB capability for further data storage.

Packed with features, the ETi is sure to satisfy a vast array of Eddy Current NDT needs.

### CLIENT BENEFITS

- **Housed in a rugged, single piece cast aluminium chassis and is compact to aid usability.**
- **Bright / high-resolution screen.**
- **Full colour.**
- **Long battery life.**
- **Broad range of languages available.**
- **Unrivalled client after-care.**

## SPECIFICATION

Probe	Modes	ETi 100 Single Lemo 00 for absolute probes and 12 way Lemo for Reflection, Bridge and Rotary - ETi 200 as 100 but with second lemo 12 way for Reflection and Bridge. Absolute and Bridge modes selectable at 50 or 100 ohm.
	Test	Up to 8 channels with 12 user definable mixers
	Frequency Drive	10 Hz-15 MHz in 0.01 increments per Hz, kHz or MHz range 0.10 - 20.00v pk-pk in 0.01v increments
Signal	Phase	0°-359.9° in 0.1° increments
	Gain	Gain: -12.0 - +100 dB in 0.1 steps
	X /Y Axis Spread	Any valid gain value on either channel. With lockable relative values.
	Digitising Rate	36 kHz max above 300kHz drive frequency
	Filter	Band Pass, High Pass and Low Pass
	Load	Automatic load selection for absolute probes with manual override. 8 values 1.3 uH to 470 uH
Display	Screen	7" 480 by 800 Colour TFT
	Mode	Impedance (phase) plane display with strip chart or time base 1, 2 or 4 panes
	Grid	Options of; None, 20% (5 by 5), 10% (10 by 10) and Polar
	Spot Position	+/- 50 % in 1% increments
	Persistence	Permanent and 0.01 -100.00 seconds in 0.1s increments
	External	Standard 15 way d-type for external monitor, head up display or projector.
Alarm	Type	1 per channel selectable; Box or Sector
	Setting	In increments of 1 %
	Quantity	8
	Action	Audio and or signal freeze
Data Storage	Settings	Diverse options to internal ram drive, removable SD card (up to 32GB) or USB memory stick (up to 32GB).
	Recording	Digitised data may be saved to internal memory (up to 32GB), external USB device or SD Card (up to 32GB).
Computer Interface	Interface	USB (on the go), Ethernet, SD Card
User Interface	Front Panel	Rotary control, cursor control, 18 push button keys. 4 Status LEDs
	Software	Tabs, Soft Keys, Scrollable values, Direct data entry, will operate with USB Keyboard
Enclosure	Dimensions	20.0cm(7.9") High x 23.0cm (9.0") Wide x 7.5cm (3.0") Thick
	Weight	2.8 Kg (6.2 lbs)
	Environmental	IP54
	Temperature	Maximum Operating: 0 to 30 C Recommended Storage: -20 to 70 C
Power	Internal Battery	Replaceable Li-Ion 14.4 v 5.5 hours max life
	External AC	Power/charger 100-240 v 1.2A ac 50-60 Hz 90 watts

**This is a provisional specification. A full brochure to follow in the very near future. E&OE subject to change without notice.**



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[www.ethernde.com](http://www.ethernde.com)

**ETHER NDE**, Endeavour House, 3 Roundwood Lane, Harpenden, Hertfordshire, AL5 3BW, UK

Tel: +44 (0) 1582 767912

Email: [sales@ethernde.com](mailto:sales@ethernde.com)