

PockET

Single Channel/Single Frequency Eddy Current Flaw Detector



- Simple to Learn, Easy to Use.
- Lightweight (321g/11.3 oz), Robust Design.
- Probe Types: Absolute, Bridge and Reflection.
- Up to 12 hours battery life.
- Two-year Warranty. Increase to 5 years with optional ETHERCover which includes free annual calibration.
- Meets the requirement of EN1711 & ISO 17643 "Eddy Current Examination of Welds by Complex Phase Analysis"



Discover the Power of Portability with PockET

Introducing PockET, the revolutionary eddy current flaw detector that delivers steadfast performance and true pocket-sized portability. Designed for maximum convenience without compromising on capability, PockET delivers accurate, reliable eddy current inspection wherever you need it, whenever you need it.

Inspection Precision in miniature

Despite its compact size, PockET is a single channel, single frequency eddy current instrument capable of detecting surface and sub-surface defects with precision. Its intuitive interface and high-resolution display make inspections straightforward, while fast scanning speeds and signal processing ensure confident and repeatable results.



The PockET redefines portable Eddy Current inspection weighing only 321 grams (11.3 oz). It can be used in the most confined spaces and will be easily accommodated in any pocket anywhere. The simple user interface will be a joy for any Field Technician or Aircraft Inspector.

The ultimate “easy-to-reach” day-to-day NDT tool

With connectivity to a wide range of probes and PC communication, PockET integrates seamlessly into your inspection workflow. From quick spot checks to detailed examinations, it’s the ideal tool for keeping productivity high and downtime low — all from a device that fits in the palm of your hand.

The rechargeable battery delivers a full day of inspection capability, with over 12 hours performance (at 50% screen brightness) and just a 6-hour recharge time, providing a fast and reliable turnaround. Backed by a 2 year warranty, the option of ETherCover can also offer extended support with 5 years cover, including free annual calibration.



PockET Specification

Probe	Connectors	4-Way Lemo (Bridge and Reflection) Lemo 00 (Absolute)
Frequency	Single	1kHz – 6MHz (in pseudo log steps i.e. 1,2,5,10,20,50,100, 200,500kHz & 1,2,6 MHz steps)
Gain	Overall	-0dB to +80dB, 0.1 and 1dB steps
	Input	Fixed 6dB
	Drive	-6dB to +6dB in 1dB steps (0dB reference 1mW into 50 ohm)
Phase	Range	0.0-359.9°, 0.1° steps
Filters	Normal High Pass	DC to 500Hz or Low Pass Filter, which ever is the lower in 1 Hz steps. Plus variable adaptive balance drift compensation 0.01 - 0.5 Hz (6 steps)
	Normal Low Pass	1Hz to 750Hz or a quarter of the lowest test frequency, which ever is lower in 1 Hz steps
Balance	Automatic	Auto Balance load selection
Alarms	Box & Sector	Both alarm types are fully configurable, Freeze, Tone or Visual
Display	Type	89mm (3.5") Colour TFT-LCD Anti-Glare screen
	Viewable Area	70.8mm (h) x 52.56 mm (w) (2.78"(h) x 2.06"(w))
	Resolution	320 x 240 pixels RGB
	Colour Schemes	User configurable - Dark, Bright and Black & White
	Display Modes	XY, Time Base and Meter.
	Graticules	None, Grid (4 sizes 5, 10, 15 and 20% FSH), Polar (4 sizes 5, 10, 15 and 20% FSH)
	Offset	Spot Position: +/- 50%
Storage	Internal	Store Settings, 6 Save Slots, Screen Shot via PC Application
Outputs	PC Connectivity	Micro USB port for charging & PC communication.
Languages		English, French, Spanish, Italian, Portuguese, Russian, Japanese, Chinese, Turkish, Czech, Norwegian.
Verification Level		The system includes on delivery a 2-year validity verification level 2, detailed functional check and calibration, as per ISO 15548-1:2013
Power	Battery	1 Internal 3.7V, Lithium-Ion Rechargeable Battery, 3.5Ah, 12.7 Wh
	Running Time	Over 12 hours (@50% screen brightness)
	Charging Time	6 hours charging time, simultaneous charge, and operation.
	Connector	Micro USB
Physical	Weight	321 gms / 11.3 oz
	Size (wxhxd)	165 x 90 x 34mm (6.49 x 3.54 x 1.33 ins)
	Material	Enclosure: ABS Seal and Protective Boot:TPE
	Operating Temperature	-20 to +60°C (-4to 140°F)
	Storage Temperature	Storage for up to 12 months. -20 to +35°C (-4 to 95°F). Nominal +20°C (68°F)
	IP Rating	Designed to meet the requirements of IP64



PockET KIT

KIPET001 Kit, PockET, Single Frequency Eddy Current Flaw Detector
Includes:

- IPET001 Instrument, PockET, Single Frequency Eddy Current Flaw Detector, (1kHz - 6MHz)
- A288 Male USB A to Male Micro USB B, USB 2.0 Black, 1m
- A092 Power Supply, USB, includes UK, AU, EU,US Input:90-264V AC, Output: 5W (RS:121-7187)
- AC025 Accessory, Hard Carry Case PockET.
- A513 Transparent Probe Tube
- A531 Pocket Drawstring Pouch
- ALLCX-M02-015A Accessory Lead, Lemo 00 to Microdot, 1.5m
- 41407 Quick Reference Card - PockET



t: +44 (0)1727 648050 e: sales@ethernde.com
www.ethernde.com

