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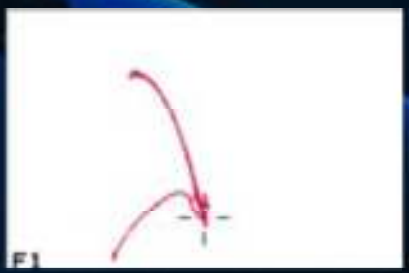
RENTAL INSPECTION

Phasec 3 Eddy Current Flaw Detector

The Phasec 3 is suitable for a wide range of applications from high frequency surface inspection to low frequency sub-surface inspection. Lightweight, rugged and portable are major features of the Phasec 3. The equipment weighs just 1.1kg including batteries and roughly the size of a hard backed book. Each instrument is housed in a tough, robust case and instrument internals have been designed to resist moist, tropical or salt-laden atmospheres. While offering a large display the instrument housing is kept as compact as possible. Advanced technology batteries allow up to 6 hours operating life with none of the adverse memory effects of more traditional batteries. Furthermore the instruments have been specifically designed to allow the interchangeability of accessories such as probes, cables and test pieces, reducing the amount of kit the operator needs to purchase or carry around for inspections.

The menu system is easy to read and navigate. Set ups are rapid and they can be stored and recalled at any time. Operating parameters can be rapidly selected and adjusted using the unique keyboard arrangement. Softkeys can be assigned to assist parameter adjustment without referral to the menu. Large tactile buttons in easy reach of either hand give good feedback even when wearing gloves and all instruments are designed for ease-of-use by both right-handed and left-handed inspectors. A huge range of parameter adjustment enables the instrument to be quickly matched to the most exacting inspection requirements, providing extreme versatility in operation.

The Phasec 3 instruments are compatible with a unique Windows-based reporting software package, Supervisor PC, which allows operators to download both data sets and screen images for reporting purposes. The on-screen menu allows all functions to be set and stored in the on-board memory, which has the capacity for 200 set-ups and 200 traces. An integral USB connection port permits fast data-exchange with the Supervisor software. Once the data transferred to the PC it can be easily used to produce reports, to print and archive.



Phase plane display using a weldscan probe

Spot display

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Technical Specifications

Frequency		10Hz - 10 MHz
Gain	Overall	- 8 - + 96 dB, 0.1 Steps
	Input	0/14 dB
	Drive	-8, 0, +8 dB
	Max X/Y Ratio	-74.0 - 74.0 dB
Phase	Range	0-359.9°, 0.1 Steps
		Auto Lift Off
Filters	Normal High Pass	dc-ultra-1 - 1200 Hz
		1675 Steps
	Normal Low Pass	3 - 1500 Hz, 2440 Steps
Balance Load		Automatic
		Manual
Alarms	Box	9 Modes
	Sector	2 Modes
Operating Modes		Single Frequency
		Conductivity
		Coating Thickness
Display	Type	Colour TFT
	Viewable Area (mm)	117.2 x 88.4
	Resolution (pixels)	320 x 240
	Colour Scheme	8
	Graticles	None, Polar, Grid 1 and Grid 2
Internal Storage	Stored setups up to	200
	Stored traces up to	200
	Record Replay	60 s
Probe Connection		12 Way Lemo
Outputs		USB, Digital Alarm, VGA
Physical Characteristics	Weight (inc battery)	1.1kg
	Size (W x H x D) mm	192 x 139 x 57
	Operating Temp.	0-40°C
	IP Rating	54

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