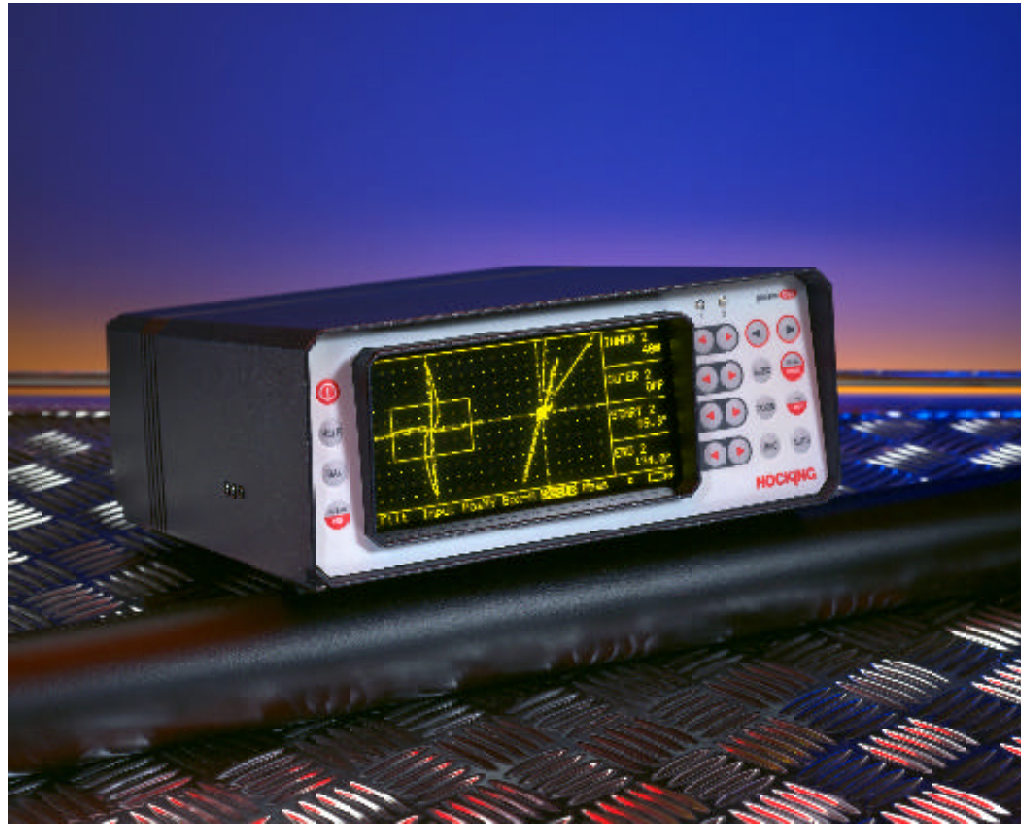


5
2
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phasec **D62** system



High Performance Metal Product Inspection for In-Line and Off-Line applications

- Designed for dynamic monitoring of quality and flaw detection in ferrous and non-ferrous product
- Two independent channels to allow simultaneous inspection of components in two separate positions
- Designed for easy integration into automatic inspection systems
- Dual alarm and filter configurations
- Integral Universal power adapter (90 to 264 VAC)
- Internal Storage of Traces and Inspection settings
- Digital Record/Replay for accurate test setup

HOCKING

Specifications

Operating Frequency

Single frequency mode: 60Hz-6MHz
Dual frequency mode: 100Hz-2MHz
(Max Ratio of channel 1 to channel 2 is 10:1).

Display

Electroluminescent screen with selectable persistence of 0.1 to 20 seconds or permanent.

Channels

Dual channel, dual frequency, dual probecapabilities.

Gain

Overall adjustment 0 to 90dB in 0.1dB steps. Gain ratio of X:Y -20dB to +20dB in 0.1dB steps.

Mix Function

The mix result (Ch2 subtracted from Ch1) can be displayed. Phase is fully adjustable. Gain adjustment as X:Y ratio above.

Low and High Pass Filters

Low Pass : 3Hz to 2kHz in 15 steps
High Pass : DC to 2kHz in 70 steps

Alarms

Two independent alarms available. Sector, Box Gate, and timebase. Flashing LEDs, internal sounder, and open collector outputs.

Internal Data Storage

Capacity for up to 50 traces and 50 settings. 14 character alphanumeric file descriptions. Records up to 32 seconds of data for playback.

Inputs/Outputs

Six analogue outputs chosen from Channel 1, Channel 2 and mix. RS232, two alarm outputs. Inputs for on/off, clear and balance.

Conductivity Measurement

Measures the conductivity of non-ferrous metals in the range 1% to 110% IACS (0.58 to 63.8 MSm⁻¹). Reqs. conductivity probe 47P001/ lead 33A135/ calibration standard 47A023

Coating Thickness Measurement

Measures thickness of non-conducting coatings in the range 0 to 1.25mm (0 to 0.05 inches). Requires accessories as above.

Weight

5.1kg (11.2lb) including batteries.

Dimensions

255 W x 105 H x 310 L mm.
(10 x 4.1 x 12.2 inches).

Power

Integral AC Adapter/charger - 90 to 264 VAC, 47 to 440Hz.

Smart Setup • Precise Inspection • Flexible Connection

The Phasec D62 actively helps users find the optimum settings for their inspections using advanced automatic features. The broad performance range means that the unit detects an impressive range of material conditions on any metal.

The unit operates with probes and coils from all quality manufacturers in both standard and special applications - for further details of the Hocking probe range request a copy of the probe catalogue or download from www.hocking.com.



Smart Setup

Getting the best inspection demands the best possible setup. The digital record/replay feature allows the operator to record an inspection and play it back on-screen. During playback parameters such as phase, filters, gain and alarm can be adjusted and the effects observed in real time.

Automatic lift-off compensation sets the correct phase angle and auto-balance selects the optimal internal balance load where required (when operated with absolute probes).

Once an application has been set-up it can be stored in one of the 50 internal setting areas for easy recall later. 50 traces can also be stored for comparison or evaluation.

Precise Inspection

Advanced alarm functions allow the precise setup of gates for your application. Alarms can be configured to trigger on on-screen displays and even non-displaying datastreams. The choice of alarm types includes Box, Sector, and Timebase and the time that an alarm triggers for can also be varied. Extensive filter settings allow the operator to easily remove unwanted signals to get an exact picture of test piece condition.

Flexible Connection

The D62 has extensive options for connection - allowing two probes to be driven simultaneously, six selectable output connectors, including RS232 and remote control. The rear panel provides user definable signal output on BNC and D-type connectors.

The D62 can connect to external software packages (e.g. Krautkramer UltraDoc) as well as a variety of printers including PCL and a range of serial printers.

Typical Applications

In the production environment the D62 can be employed for a wide variety of tasks. These include open-seam detection of welds, flaw detection, material property change and continuity testing. This is applicable in a wide range of industries and includes rod, bar, wire and tube manufacture as well as components.

Accessories

The D62 has a range of accessories for full integration into your operation. Adapters and Leads are available to connect from the BNC and 12 way Lemo connectors to your existing probes.

For more information visit www.hocking.com

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