

Alphagage

A-SCAN CORROSION GAUGE



- Storage for up to 8000 thickness readings
- Unique Help function
- Resolution 0.01mm
- Through paint measurement
- Compatible with any standard flaw detection probe
- Suitable for harsh environments (IP67 rated)
- Infrared data port for PCs and peripherals
- Winsat Windows 95™ Software for PC interfacing



Sound Solutions



ALPHAGAGE

Display

48x71mm (1.9x2.8 in) viewable area
Variable contrast setting

A-scan

128x96 pixels, outline or filled trace
Auto freeze on loss of signal
Positive, negative and full wave rectification

Update rate

5 to 10 Hz

Measurement resolution

0.01mm (0.001in)

Measurement modes

Depth to first echo
Echo-to-Echo
Minimum thickness mode
V path correction for dual probes

Minimum thickness

Less than 0.6mm (0.0237in) dependent on transducer

Transmitter

20,60, and 200 volt, variable pulse width
50, 100, 250ns

Time corrected gain

80dB dynamic range, maximum 6dB per microsecond

Range

5mm to 500mm (0.25in to 20in)

Velocity

2000m/s to 9999m/s (0.0787 to 0.3937 in/ μ s)

Probe zero

0 to 10000 microseconds

Gain

0 to 80dB in 0.5dB steps

Frequency

1 to 7.5 MHz - 3dB
0.8 to 9.5 MHz - 6dB

Calibration modes

Zero block
Two point autocalibration
Manual input of Zero and Velocity

Thickness logging

Storage for 2500 readings with A-scan
8000 readings with thickness only
Recall of stored thickness and A scan
48 character alpha numeric thickness identification
Historical phase and thickness reading

Panel storage

Storage for 100 set-ups

Serial communications

Infrared communications to printer and PC

Battery

Ni-cd LAH, 9 hours battery duration
Auto shutdown to preserve battery life

Enclosure

Sealed to IP67

Operating temperature range

-10 to 55 degrees Celsius

Size

285 x 120 mm maximum (11.2 x 4.7in)

Weight

0.88 Kg (1.94 lbs) includes battery

Charger

90 to 260 V ac, 47-440Hz, 2 hour fast charge
Discharge feature for battery conditioning
Operating temperature 10 to 30 degrees Celsius

Probes

Up to 10 pre-defined Sonatest probes
5 user configurable
Dual, single or delay probes available

Keypad

Sealed keypad with tactile and audible response

Alarm

Minimum thickness alarm

Operator ID

16 characters

Freeze mode

Option to freeze display

Help

On line help facility

Accessories/Transducers

Leather case, spare battery
SG1, SG3, SG2HT, SLH5-10, GEM5-10SF

Winsat software

Thickness logging for PC interfacing and reading analysis
Windows™ based software
Fully bi-directional transfer of data between PC and Alphagage



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