



26MG CORROSION THICKNESS GAGE

FEATURES

- Lightweight – only 8.5 oz. (0.24 kg)
- Easy to use – pocket-size
- 250 hrs on two AA alkaline batteries
- Wide thickness range: 0.5 mm – 508 mm (0.020" – 19.999")
- Automatic Probe Recognition
- High Temperature capabilities
- Large backlit display
- Fast Min Mode holds thinnest reading at Fast Scan Rate
- Freeze Mode instantly captures critical thickness
- Millimeters/Inches selection

STANDARD INCLUSIONS

- D799 Dual Element Probe with Cable
- Wrist Strap
- Test Bar
- Couplant
- Instruction Manual
- Two Year Limited Warranty

OPTIONAL ACCESSORIES

MG/SPC	Small Protective Case
MG/CC	Plastic Carrying Case
2214E	5-Step Test Block, English Units
2214M	5-Step Test Block, Metric Units
MG/RS232	RS232 Option/Upgrade
MG/EW	Extended Warranty

For additional accessories such as holders, wands, and couplants, please consult us.

ULTRASONIC CORROSION GAGE

The Panametrics-NDT™ Model 26MG is a low-cost ultrasonic thickness gage designed to make accurate measurements on internally corroded or eroded materials. It weighs only 8.5 oz. (0.24 kg) and is small enough for easy, one-thumb operation. Thickness measurements are made from one side of the material with no need to cut the part.

The 26MG offers various practical measurement features such as Automatic Probe Recognition that recognizes transducer types, a Fast Min Mode that holds the minimum reading at a Fast Scan rate of 20 per second, and a Freeze Mode that freezes the display to capture critical thickness data. Its LCD with electroluminescent backlight shows thickness measurements in large, easy-to-read numerals.

The 26MG has 250 hours of typical battery life with two easy-to-replace AA alkaline batteries. A Low Battery Indicator continuously updates battery status.

You can choose from a wide array of transducers with varying frequencies, tip diameters, and temperature ranges to suit many applications (see other side).

Typical applications for the 26MG include storage tanks, pipe lines, pressure vessels, boiler tubes, steam lines, ship hulls, and other structures affected by internal corrosion.

26MG SPECIFICATIONS*

Measurement Mode: Pulse echo with dual element transducers

Thickness Measurement Range: 0.020 to 19.999" (0.50 to 508 mm)

Note: Thickness range depends on material, transducer type, surface condition, and temperature.

Material Velocity Calibration Range: 0.0300-0.5511 in/μsec (0.762- 13.999 mm/μsec)

Thickness Display Resolution:
 LOW: 0.01" 0.1 mm
 STANDARD: 0.001" 0.01 mm

Measurement Rates: Standard Rate: 4 per second

Fast Rate: 20 per second

Fast Min Mode: Rapid capture and recall of minimum thickness at Fast Rate of 20 per second.

Freeze Mode: Freezes display to instantly capture critical thickness. Minimizes transducer couplant lift-off error and facilitates high temperature measurements.

Automatic Probe Recognition: Automatically recognizes the listed Panametrics-NDT transducer types. Adjusts internal parameters and corrects V-path error.

Zero Compensation Mode: Compensates for transducer temperature and zero offset.

Display: 4 1/2 digit (19999 counts) Liquid Crystal Display (LCD), 0.4" (10.2 mm) numerals

Display Hold/Blank Mode: Display holds or blanks after measurement.

Electroluminescent Display Back Lighting: Selectable as "On" or "Auto On"

Receiver Bandwidth: 1-15 MHz (-3dB)

Metric/English Mode: Metric or English units

Battery: 2 AA Alkaline Batteries

Operating Time: 250 hours typical battery life; 30 hours continuous with backlight on

Low Battery Indicator: Continuously indicates battery status

Battery Saver: Auto Power Off/Continuous On

Case/Keypad: Splash proof, impact-resistant Lexan® case. Sealed, color-coded keypad with tactile and audible feedback.

Operating Temperature Range: -10° C to +50° C, 14° F to 122° F

Size: 2.55" W x 5.05" L x 1.14" H (64.8 mm x 128.7 mm x 29 mm)

Weight: 8.5 oz. (0.24 kg)

Hazardous Area Operations: As defined by MIL-STD-810E, method 511.3, procedure 1.



PROBES WITH AUTOMATIC PROBE RECOGNITION

PROBE	MHz	CABLE	CONN	TIP DIA	RANGE (steel)*	TEMP RANGE**
D790		Potted	Straight			
D790-SM	5.0	LCMD-316-5B†	Straight	0.434" (11.0 mm)	0.040"-20" (1-500 mm)	-5° – 932° F (-20° – 500° C)
D790-RL		LCLD-316-5G†	Rt. Angle			
D790-SL		LCLD-316-5H	Straight			
D791	5.0	Potted	Rt. Angle	0.434" (11.0 mm)	0.040"-20" (1-500 mm)	-5° – 932° F (-20° – 500° C)
D791-RM	5.0	LCMD-316-5C	Rt. Angle	0.434" (11.0 mm)	0.040"-20" (1-500 mm)	-5° – 752° F (-20° – 400° C)
D792	10	Potted	Straight	0.283" (7.2 mm)	0.020"-1" (0.5-25 mm)	32° – 122° F (0° – 50° C)
D793		Potted	Rt. Angle			
D794	5.0	Potted	Straight	0.283" (7.2 mm)	0.030"-2" (0.75-50 mm)	32° – 122° F (0° – 50° C)
D795		Potted	Rt. Angle			
D797	2.0	Potted	Rt. Angle	0.900" (22.9 mm)	0.100"-20" (2.5-500 mm)	-5° – 752° F (-20° – 400° C)
D797-SM		LCMD-316-5D	Straight			
D7226	7.5	Potted	Rt. Angle	0.350" (8.9 mm)	0.028"-4" (0.71-100 mm)	-5° – 300° F (-20° – 150° C)
D798-LF						
D798	7.5	Potted	Rt. Angle	0.283" (7.2 mm)	0.028"-4" (0.71-100 mm)	-5° – 300° F (-20° – 150° C)
D798-SM		LCMD-316-5J	Straight			
D799	5.0	Potted	Rt. Angle	0.434" (11.0 mm)	0.040"-20" (1-500 mm)	-5° – 300° F (-20° – 150° C)
MTD705	5.0	LCLPD-78-5	Rt. Angle	0.200" (5.1 mm)	0.040"-0.75" (1-19 mm)	32° – 122° F (0° – 50° C)

* Dependent on material, transducer type, surface condition, and temperature.

** Maximum temperature is with intermittent contact only.

† Stainless steel cable available; consult us for part numbers.

Printed 3/2006
 © 2006 Olympus NDT, All Rights Reserved.
 *All specifications are subject to change without notice.
 Panametrics, Panametrics-NDT and the Panametrics-NDT logo are trademarks of Panametrics Inc.
 Other company or product names mentioned in this document may be trademarks or registered trademarks of their respective companies

Olympus NDT
 48 Woerd Ave, Waltham, MA U.S.A.
 TEL 781-419-3900 • 800 225-8330 in North America
 e-mail: pana@olympusndt.com

WWW.OLYMPUSNDT.COM

