



## Features

- Lightweight – only 0.24 kg (8.5 oz)
- Easy to use – pocket-sized
- 250 hours of battery life on two AA alkaline batteries
- Wide thickness range: 0.5 mm to 508 mm (0.020 in. to 19.999 in.)
- 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

## Ultrasonic Corrosion Gage

The Panametrics Model 26MG is a low-cost ultrasonic thickness gage designed to make accurate measurements on internally corroded or eroded materials. It weighs only 0.24 kg (8.5 oz) 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 the inspection of storage tanks, pipe lines, pressure vessels, boiler tubes, steam lines, ship hulls, and other structures affected by internal corrosion.

## General Specifications

**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<sup>®</sup> case. Sealed, color-coded keypad with tactile and audible feedback.

**Operating Temperature Range:** -10 °C to +50 °C (14 °F to 122 °F)

**Size (w x h x d):**  
64.8 mm x 128.7 mm x 29 mm  
(2.55 in. x 5.05 in. x 1.14 in.)

**Weight:** 0.24 kg (8.5 oz)

**Standard Inclusions:**

Wrist strap, test bar, couplant, instruction manual, plastic carrying case. Please consult your local sales representative for a full list of standard inclusions.

# 26MG Specifications\*

**Measurement Mode:** Pulse echo with dual element transducers

**Thickness Measurement Range:**  
0.50 mm to 508 mm (0.020 in. to 19.999 in.)

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

**Material Velocity Calibration Range:**  
0.762 to 13.999 mm/μsec  
(0.030 to 0.5511 in./μsec)

**Thickness Display Resolution:**  
Low 0.1 mm 0.01 in.  
Standard 0.01 mm 0.001 in.

**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 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), 10.2 mm (0.4 in.) numerals

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

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

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

**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)

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

**Optional Accessories:**

**MG/SPC (U8764046):** Small protective case

**2214E (U8880014):** 5-step test block, English units

**2214M (U8880016):** 5-step test block, metric units

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



## Transducers With Automatic Probe Recognition

| Transducer | Item Number | Frequency MHz | Connectors | Tip diameter mm (in.) | Range in steel mm (in.)* | Temp. range °C (°F)**  | Cable        | Item Number |
|------------|-------------|---------------|------------|-----------------------|--------------------------|------------------------|--------------|-------------|
| D790       | U8450002    | 5.0           | Straight   | 11.0 (0.434)          | 1 to 500 (0.040 to 20)   | -20 to 500 (-5 to 932) | Potted       | —           |
| D790-SM    | U8450009    |               | Straight   |                       |                          |                        | LCMD-316-5B† | U8800353    |
| D790-RL    | U8450007    |               | 90°        |                       |                          |                        | LCLD-316-5C† | U8800330    |
| D790-SL    | U8450008    |               | Straight   |                       |                          |                        | LCLD-316-5H  | U8800331    |
| D791       | U8450010    | 5.0           | 90°        | 11.0 (0.434)          | 1 to 500 (0.040 to 20)   | -20 to 500 (-5 to 932) | Potted       | —           |
| D791-RM    | U8450011    | 5.0           | 90°        | 11.0 (0.434)          | 1 to 500 (0.040 to 20)   | -20 to 400 (-5 to 752) | LCMD-316-5C  | U8800354    |
| D792       | U8450012    | 10.0          | Straight   | 7.2 (0.283)           | 0.5 to 25 (0.020 to 1)   | 0 to 50 (32 to 122)    | Potted       | —           |
| D793       | U8450013    |               | 90°        |                       |                          |                        | Potted       | —           |
| D794       | U8450014    | 5.0           | Straight   | 7.2 (0.283)           | 0.75 to 50 (0.030 to 2)  | 0 to 50 (32 to 122)    | Potted       | —           |
| D797       | U8450016    | 2.0           | 90°        | 22.9 (0.900)          | 2.5 to 500 (0.100 to 20) | -20 to 400 (-5 to 752) | Potted       | —           |
| D797-SM    | U8450017    |               | Straight   |                       |                          |                        | LCMD-316-5D  | U8800355    |
| D7226      | U8454013    | 7.5           | 90°        | 8.9 (0.350)           | 0.71 to 100 (0.028 to 4) | -20 to 150 (-5 to 300) | Potted       | —           |
| D798-LF    | U8450019    |               |            |                       |                          |                        | Potted       | —           |
| D798       | U8450018    | 7.5           | 90°        | 7.2 (0.283)           | 0.71 to 100 (0.028 to 4) | -20 to 150 (-5 to 300) | Potted       | —           |
| D798-SM    | U8450020    |               | Straight   |                       |                          |                        | LCMD-316-5J  | U8800357    |
| D799       | U8450021    | 5.0           | 90°        | 11.0 (0.434)          | 1 to 500 (0.040 to 20)   | -20 to 150 (-5 to 300) | Potted       | —           |
| MTD705     | U8620225    | 5.0           | 90°        | 5.1 (0.200)           | 1 to 19 (0.040 to 0.75)  | 0 to 50 (32 to 122)    | LCLPD-78-5   | U8800332    |

\* Dependent on material, transducer type, surface condition, and temperature. Full range may require an instrument with Gain Adjust.

\*\* Maximum temperature is with intermittent contact only.

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

OLYMPUS NDT INC. is ISO 9001 and 14001 certified.



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