NAUMETRICS.

premium measuring instruments

PRODUCT LEAFLET

KT-100D / KT-200D

Ultrasonic thickness gauges

Echo-echo measurement for metal wall thickness through coatings.
Three measurement modes: transmit-echo, echo-echo and scan.

4-25 mm

Echo-echo range*

0.65-400 mm

Transmit-echo range*

0.01 mm

Fine display resolution

*Range depends on the probe and material combination.

Measurement through coatings

- Pocket size and straightforward operation
- Automatic probe identification and probe zero calibration
- Automatic gain adjustment
- Nine stored material velocities and manual velocity input
- Standard D5301 5 MHz transducer included

KT-200D: additional data functions

Memory for 5,000 readings with location number and USB data output to PC.

Alle genoemde prijzen zijn excl. BTW en verzendkosten. Op alle leveringen zijn uitsluitend de Naumetrics algemene verkoop- en leveringsvoorwaarden van toepassing. Deze zijn beschikbaar op www.naumetrics.nl.

Technical specifications

Specification	KT-100D	KT-200D
Measurement modes	T-E / E-E / Scan	T-E / E-E / Scan
Probe identification	Automatic	Automatic
Probe zero	At power-up and during measurement	At power-up and during measurement
Gain adjustment	Automatic	Automatic
Memory with location number	-	5,000 readings
Data output	-	USB to PC
Echo-echo measuring range*	4-25 mm	4-25 mm
Transmit-echo measuring range*	0.65-400 mm	0.65-400 mm
Display resolution	0.01 mm (0.001 in) up to 99.99 mm	0.01 mm (0.001 in) up to 99.99 mm
Display information	Reading, probe type, velocity, mode, measurement symbol and battery	Reading, probe type, velocity, mode, measurement symbol and battery
Sound velocity	1,000-9,999 m/s	1,000-9,999 m/s
Velocity selection	9 stored values or manual input	9 stored values or manual input
Velocity measurement	Calibration for materials of unknown velocity	Calibration for materials of unknown velocity
Display	128 × 64 monochrome graphic LCD	128 × 64 monochrome graphic LCD
Battery type	2 × AAA alkaline	2 × AAA alkaline
Battery life	Up to 50 hours (without backlight)	Up to 50 hours (without backlight)
Automatic shut-off	Auto / 2 min / 5 min / off	Auto / 2 min / 5 min / off
Operating temperature	-20 to +50 °C	-20 to +50 °C
Measuring units	mm / inch	mm / inch
Dimensions	115 × 64 × 27 mm	115 × 64 × 27 mm
Weight	220 g	220 g

*Measuring range depends on the probe/material combination.

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Transducer specifications

Model	Frequency	Range (mm)	Diameter	Temperature
D5301	5.0 MHz	T-E: 2-160 E-E: 4-25	Ø 10.8 mm	< 60 °C
D5008	5.0 MHz	0.8-300	Ø 10.8 mm	< 60 °C
D5113	5.0 MHz	3.0-200	Ø 13 mm	< 350 °C
D7006	7.5 MHz	0.7-50	Ø 8.5 mm	< 60 °C
D7004	10.0 MHz	0.65-20	Ø 5 mm	< 60 °C
D2012	2.0 MHz	2.0-400	Ø 16.3 mm	< 60 °C

D5301 is the standard probe supplied with the instrument.

Standard delivery

Main unit • D5301 5 MHz transducer • Operation manual • Two AAA batteries
Built-in 4 mm calibration block • Carrying case • Couplant 40 oz • Certificates

T-E: transmit-echo measurement | E-E: echo-echo measurement

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