Ultrasonic Thickness Gauge GM100+

NDTKALA.CO
Non-Destructive Test (NDT) Equipment
تامین تجهیزات و مواد مصرفی تست های غیر مخرب ایران
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Specification

Display	4-digital LCD display
Minimum display unit	0.01mm(1.20 to 99.99mm)
	0.1mm(100 to 300mm)
Working frequency	5MHz
Measuring range	1.2 to 300.00mm (steel)
Minimum limit for tube measuring	Φ20*3mm (steel)
Accuracy	+/- (1%H+0.1)mm H denotes the measured thickness.
Sound velocity range	1000 to 9999 m/s
Measuring sound velocity with a given thickness	When the given thickness over 20mm, the accuracyis +/-1%; when the given thickness less than 20mm, the accuracy is+/-5%.
Operation temperature	0°C to 40°C
Power supply	3*1.5V AAA alkaline batteries
Operation current	Normal operation current≤45mA
	With Backlight turn on current≤55mA
	Stand-by current: ≤20uA
Size	72*146*29mm
Weight	202g



Sound velocities of common materials

Material	Velocity(m/s)	Material	Velocity(m/s)
Aluminum	6320	Acetate resin	2670
Zinc	4170	Phosphor bronze	3530
Silver	3600	Turpentine	4430
Gold	3240	Glass	5440
Tin	3230	Incoloy alloy	5720
Iron/Steel	5900	Magnesium	6310
Brass	4640	Monel alloy	6020
Copper	4700	Nickle	5630
SUS	5790	Steel 4330 (mild)	5850
Acrylic resin	2730	Steel 330	5660
Water (20°C)	1480	Titanium	6070
Glycerinl	1920	Zirconium	4650
soluble glass	2350	Nylon	2620



LCD diagram



- Low battery indicator
- Coupling indicator
- **m/s** Sound velocity unit
- **mm** Thickness unit
- **VEL** Sound velocity indicator
- **THICKNESS** Thickness indicator
- **M** Store / recall indicator
- **1** - **10** Stored unit indicator
- Calibration indicator

Parts description

