

Acision UTG8200 Ultrasonic Thickness Gauge



Applications:

Used for measuring thickness and corrosion of pressure vessels, chemical equipment, boilers, oil storage tanks, etc. in industries of petroleum, shipbuilding, power station, and machine manufacturing. Applicable to measure the thickness of many materials, e.g. Steel, Cast iron, Aluminum, Red copper, Brass, Zinc, Quartz glass, Polyethylene, PVC, Gray cast iron, Nodular cast iron.

Features:

- With high power of emission and broad band of receiving sensitivity, the gauge can match probes of different frequencies. That makes it easy to measure the rough surface, even cast iron. It is widely used in almost all kinds of industries.
- Automatic memory material code and sound velocity value, convenient to use.
- Coupling symbol indication when measuring.
- Manual or automatic power off.

Code	Material	Code	Material
cd01	Steel	cd07	Quartz Glass
cd02	Cast Iron	cd08	Polyethylene
cd03	Aluminum	cd09	PVC
cd04	Red Copper	cd10	Gray Cast Iron
cd05	Brass	cd11	Nodular Cast Iron
cd06	Zinc	xxxx	Sound Velocity

Contact your Authorised Acision Distributor:

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Visit us on
www.acision.co

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Specification:

Model		UTG-8200
Display		LCD
Sensor		Ultrasonic Probe
Measuring Range		1.5~200mm / 0.06~8 inch
Resolution		0.1mm
Accuracy		±(0.5%n + 0.2)
Sound Velocity		1000~9,000 m/s
Lower Limit of Pipes		Ø15 x 2.0 mm Ø20x3.0mm Determined By Transducer
Operating Conditions	Temperature	0~40°C
	Humidity	<85%RH
Power supply		4 x 1.5V AA (UM-3) Battery
Dimensions		160 x 68 x 32mm
Weight		208g (not Including batteries)
Warranty		1 Year against manufacturing defects
Standard accessories	Main Unit	√
	Probe	5MØ8 Standard Probe
	Carrying Case	B04 & Coupling Gel x1
	Operating Manual	√

Probe Model	Diagram	Measuring Range	Diameter	Frequency	Operating Temp
5Mhz Ø8 (UTG-ST) Standard Configure Probe		1.5 ~ 200mm (Steel)	Ø 8 mm	5MHz	0~50°C
5Mhz Ø8 (UTG-TP) Curved Surface Probe		1.5 ~ 200mm (Steel)	Ø 8 mm	5MHz	0~50°C
2Mhz Ø10 Plastics Measurement Probe		1.0 ~ 50mm (Plastics)	Ø 10 mm		0~50°C
2Mhz Ø10 Cast Iron Measurement Probe		3.0~40mm (Cast Iron)	Ø 10 mm	2MHz	0~50°C
5Mhz Ø6 Thin Material Probe		1.0~50mm (Steel)	Ø 6 mm	5MHz	0~50°C
5Mhz Ø12 (UTG-HT) High Temperature Probe		4.0~100mm (Steel)	Ø 12 mm	5MHz	60~300°C

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