

Postbus 540 7550 AM Hengelo (Ov) +31(0)74 3490022 www.naumetrics.nl info@naumetrics.nl



Ultrasone wanddiktemeter UM-4; UM-4D; UM-4DL



Product name: Ultrasonic Thickness Gauge

Item: UM4; UM4D; UM4DL

Details :

Color OLED 320x240 Pixels Display

Color A-Scan snapshot and Thickness Display

Control of Gain, Blanking, Gate, Range, Delay, RF and Rectify Modes

Echo-Echo Mode(Thru Paint & Coatings)

Stores 100,000 Readings and 1000 waveform



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UM5 Series Technical Specifications

Feature	UM-4	UM-4D	UM-4DL	Data Logger Option
Color Display	V	V	V	
A-Scan snapshot	v	V	V	
Time-based B-Scan				
Control of Gain, Blanking,	v	v	V	
Gate, Range, Delay, RF and				
Rectify Modes				
Echo-Echo Mode		v	V	
(Thru Paint & Coatings)				
Data Logger			v	V
DataView Software			V	V

Instrument Specifications					
Display Type	2.4" color OLED, 320 X 240 pixels, contrast 10,000:1				
Operating Principle	Pulse echo with dual element transducers				
Measuring Range	0.50mm to 508mm(0.02" to 20.00"), depending on material, probe and surface condition				
Measuring Resolution	Selectable 0.01mm, 0.1mm(selectable 0.001", 0.01")				
Units	Inch or Millimeter				
Rectify Modes	RF+, RF-, HALF+, HALF-, FULL				
Display Mode	Normal, Minimum / Maximum capture, DIFF/RR%				
V-Path Correction	Automatic				
Update Rate	Selectable 4Hz, 8Hz, 16Hz				
Material Velocity Range	500 to 9999m/s (0.0197 to 0.3937in/us)				
Languages	English				
Alarm Settings	Minimum and Maximum alarms. Range of 0.25 mm to 508 mm (0.010" to 20.00"). Dynamic waveform color change on alarm				



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Power Requirements	2 AA size batteries		
Operating Time	Approximately 40 hours		
Instrument Shut-off	Selectable ALWAYS ON or AUTO OFF after 5, 10, 20		
	minutes of inactivity		
Operating Temperature	-10° C to $+50^{\circ}$ C ($+10^{\circ}$ F to $+120^{\circ}$ F)		
Size	153mm X 76mm X 37mm(H X W X D)		
Weight	280g including batteries		

Data Logger Option Features			
Capacity	100,000 readings, 1000 waveforms,400 files		
File Structure	Grid file		
Rows X Columns	21 X 12		
Communication Port	USB 2.0 (Full Speed) port		
Software	DataView PC software		

UTG-500 Probe/Transducer Specifications							
Model	PT08	TC510	PT12	ZT12	PT06	PT04	GT12
Type	UM-5	UM-	Standard	Cast iron	Small	Fingertip	High-
	Standard	5D/DL			tube		Temperature
		Standard					
Frequency	5MHz	5MHz	5MHz	2MHz	7.5MHz	10MHz	5MHz
Contact	11mm	13.5mm	13.5mm	17mm	8mm	6mm	15mm
Diameter							
Measurement	0.8 to	1.2 to	1.0 to	4.0 to	0.8 to	0.7 to	4.0 to
Range	100.0mm	200.0mm	200.0mm	508.0mm	30.0mm	12.0mm	80.0mm
Temperature	-10 to	-10 to	-10 to	-10 to	-10 to	-10 to	-20 to 300°C
Range	70°C	70°C	70°C	70°C	70°C	70°C	