- Color 320x240 Pixels Display
- A-Scan Snapshot
- Echo-Echo Mode(Thru Paint & Coatings)
- Stores 100,000 Readings
- Gain: Low, Medium or High for varying test conditions

UM-4 Series Technical Specifications

Feature	UM-4	UM-4D	UM-4DL	Data Logger Option
Color Display	√	√	√	
A-Scan Snapshot	√	√	√	
Gain: Low, Medium, High	√	√	√	
Min/Max Capture	√	√	√	
DIFF/RR%	√	√	√	
Thru-paint	X	√	√	
Data Logger	X	X	√	√
DataView Software	X	X	√	√

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	0.60mm to 508mm(0.025" 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
Gain	Low, Medium or High for varying test conditions
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	Chinese, English, Japanese, Franch, German, Italian
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
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°C (+10°F to +120°F)
Size	153mm X 76mm X 37mm(H X W X D)
Weight	280g including batteries

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

UM-4 Probe/Transducer Specifications							
Model	PT08	TC510	PT12	ZT12	PT06	PT04	GT12
Type	UM-4 Standard	UM-4D/DL Standard	Standard	Cast iron	Small tube	Fingertip	High-Temperature
Frequency	5MHz	5MHz	5MHz	2MHz	7.5MHz	10MHz	5MHz
Contact Diameter	11mm	13.5mm	13.5mm	17mm	8mm	6mm	15mm
Measurement Range	0.8 to 100.0mm	1.2 to 200.0mm	1.0 to 200.0mm	4.0 to 508.0mm	0.8 to 30.0mm	0.5 to 12.0mm	4.0 to 80.0mm
Temperature Range	-10 to 70℃	-10 to 70℃	-10 to 70℃	-10 to 70℃	-10 to 70℃	-10 to 70℃	-20 to 480℃