

# Dakota UX2 Underwater Corrosion Thickness Gauge



Waterproof to a depth of 300 meters, the Dakota UX2 Underwater Thickness Gauge is an underwater material and coating thickness gauge ideal for offshore inspections.

## Features

- The Dakota UX2 Underwater Corrosion Thickness Gauge offers many features and benefits of the CMX series in an easy to use brightly lit gauge.
- Offering both dual & single element transducers, the Dakota UX2 underwater thickness gauge memory allows users to store up to 5,000 individual readings, together with the A-Scan waveform which can be downloaded to the data management software for further analysis on dry land.

## Product Features

Model	UX-2
<b>Display Mode</b>	
Material thickness digits display	■
Measurement Range	PE: 0.63 - 500mm EE (ThruPaint): 2.54 - 102mm PECT: 0.63 - 500mm PECT: 0.01 - 2.54mm EEV (ThruPaint): 1.00 - 152mm
Measurement Resolution	0.01mm
Velocity Calibration Range	1250 to 13995m/s
Manual	4 readings per second
<b>Measurement Rate</b>	
<b>Additional Features</b>	
A-Scan	Stored in memory with each reading for review on PC
Calibration Setups	1 user programmable & 8 pre-calibrated velocities for: aluminium, cast iron, iron, PVC, polyurethane, polystyrene, stainless steel & steel
Waterproof - depth rating	Maximum depth 300 metres - equivalent to IP68
Pulser Type	Dual square wave pulsers
Gain	Manual or automatic gain control (AGC) with 100dB range, or selectable gain: very low (vlow), low, medium, hi (high) or vhi (very high)
Timing	Precision temperature-controlled crystal oscillator (TCXO) timing with single shot 100MHz 8bit ultra-low power digitizer
Data Logging	Logging 5,000 with A-scan image & gauge settings in one batch sequential and grid logging alpha numeric batch identification

Data Output	RS232
Calibration Options	Velocity & material type
Transducer Probe Type	Dual and Single Element
Transducer Frequency Range	1 - 10MHz
Transducer Recognition	Custom automatic & manual - selectable from a list
V-path / dual path error correction	Automatic
Probe Zero	Automatic (dual transducers) & manual (via integrated probe disk)
Display	12.7mm 4.5-digit LCD
Display Refresh Rate	25Hz
Units (selectable)	mm
Backlight	on / off / auto
Repeatability / Stability Indicator	■
Low Battery Indicator	■

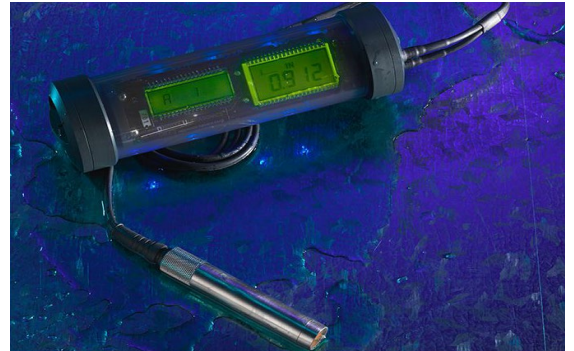
## Technical Specifications

Part Number	Description	Certificate
Z-185-0001	Dakota UX2 Underwater Corrosion Thickness Gauge (UMX-2)	●
Operating Temperature	-29 to 60°C	
Power Supply	3 x AA batteries	
Battery Life	50 hours on alkaline and 20 hours on NiCad (backlight off), 15 hours on alkaline and 8 hours on NiCad (backlight on)	
Gauge Weight	680g - including batteries	
Gauge Dimensions	229.0 x 60.33mm	

- Certificate of Calibration supplied as standard

## Packing List

Dakota UX2 Underwater Corrosion Thickness Gauge (UMX-2)
Selectable Transducer
Couplant
Manual
Plastic Carrying Case
Certificate of Calibration
AA Batteries
PC Software
Data Transfer Cable Included with Data-Logging Gauges



## Part Numbers

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