

Thru Coating Thickness Gauge DC-3000 Series



Features

- Be capable of reading wall thickness thru coatings and paint without affecting the measurement
- Automatic probe zero calibration
- Automatic probe identify
- Measuring Range:
Thru Coating mode: 4-25mm
Standard mode: 0.65-400mm
- Display resolution: 0.01mm
- Auto/manual gain adjustable
- Varies measurement modes: transmit-echo, echo-echo, scan
- Large memory up to 5000 group readings
- USB output to PC

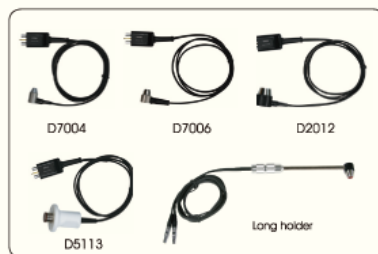


User-Friendly operating interface



Standard Delivery

- Main unit
- Standard 5MHz transducer D5301
- Operation manual
- Two AAA batteries
- Built-in calibration block 4mm
- Carrying case
- Couplant
- Software and Cable (3020)
- Certificates



Optional Transducers

Technical Specification

Specifications		DC3000	DC3020	
Measurement mode	Transmit-Echo	Standard measurement: For Normal thickness measurement Minimum measurement: For curved surface measurement Differential measurement: Displays the difference from the actual thickness measurement and a user entered reference value Average measurement : 2-9 point selectable Limit measurement: Min. Max setting and alarm	✓	✓
	Echo-Echo	The metal wall thickness is accurately and quickly measured in spite of surface coating	✓	✓
	Scan	Displays min. or Max. thickness value at 10 measurements per second while also display actual thickness (ideal for high temp. thickness readings)	✓	✓
Probe identify	Auto	✓	✓	
Accuracy	± (0.1% Thickness+0.04) mm	✓	✓	
Probe zero	Auto at power up and continuously during the measurement	✓	✓	
Gain adjust	Auto gain adjustment	✓	✓	
	Manual gain adjustment: low, standard and high	✓	✓	
Memory	Up to 5000 groups		✓	
Output	USB		✓	
Measuring Range	Thru Coating mode: 4-25mm/0.157-0.984inch	✓	✓	
	Standard mode: 2-160mm/0.078-6.299inch (with transducer D5301)			
Display resolution	0.01mm / 0.001inch	✓	✓	
Information Display	Measurement reading, Probe type, Velocity, measurement mode, measurement Symbol, Battery	✓	✓	
Velocity range	1000m/s-9999m/s (3280-32805ft/s)	✓	✓	
Velocity measurement	Simply calibrate when a material's velocity is unknow	✓	✓	
Display	128 x 64 graphics LCD monochrome	✓	✓	
Battery Type	2 AAA Alkaline	✓	✓	
Battery Life	Up to 50 hours (without Backlight)	✓	✓	
Shut off	Auto, 2 Min., 5Min, or never shut off selectable	✓	✓	
Working Temperature	-20°C-50°C	✓	✓	
Size	115mm (L) x 64mm (W) x 27mm (H)	✓	✓	
Weight	220g	✓	✓	

Specification for Transducers

Transducers	Frequency	Measuring Range	Temperature
D5301	5.0MHz	(T-E) 2-160mm (E-E) 4-25mm	< 60°C
D5008	5.0MHz	0.8-300mm	< 60°C
D5113	5.0MHz	3.0-200mm	< 350°C
D7006	7.5MHz	0.7-50mm	< 60°C
D7004	10.0MHz	0.65-20mm	< 60°C
D2012	2.0MHz	2.0-400mm	< 60°C

Optional Transducers

Model	Specification	Chart
D5008	Frequency: 5MHz Measuring Range: 0.8-300mm Temperature: <60°C Min. Pipe Size: $\varnothing 20 \times 1.2\text{mm}$	
D7006	Frequency: 7.5 MHz Measuring range: 0.65-50mm Temperature: <60°C Min. Pipe size: $\varnothing 15 \times 1.2\text{mm}$	
D7004	Frequency: 10 MHz Measuring range: 0.65-20mm Temperature: <60°C Min. Pipe size: $\varnothing 10 \times 1.0\text{mm}$	
D2012	Frequency: 2.0 MHz Measuring range: 3-400mm Temperature: <60°C Min. Pipe size: $\varnothing 30 \times 4.0\text{mm}$	

Optional Transducers

Model	Specification	Chart
D5113	Frequency: 5 MHz Measuring range: 2-200mm Temperature: <350°C Min. Pipe size: $\varnothing 25 \times 3\text{mm}$	
D5301	Frequency: 5 MHz Measuring range: E-E 4-25mm T-E 0.8-300mm Temperature: <350°C Min. Pipe size: $\varnothing 25 \times 3\text{mm}$	
Curved Head + Long Holder	To measure the thickness from the inside of the pipe, the curve of the head and the length of the holder can be ordered by requirements.	
Ball Head + Long Holder	To measure the thickness from the inside of the pipe ($\varnothing < 25\text{mm}$), the diameter of the head and the length of the holder can be ordered by requirements.	