





Non-Invasive, next generation thickness gauge, **UT5000** is the **thickness gauge** of choice for rugged environments.

FEATURES









TechoEcho
Technology
to measure
thickness through
painted surfaces

Drop-down menus to select the correct material velocity



UT5000 Intrinsically Safe thickness gauge with CorDEX CONNECT™ measures metal thickness for Non-Destructive Testing (NDT) and Predictive Maintenance (Pdm) on pipelines and fixed equipment within hazardous locations.

UT5000 is a next generation thickness gauge packed with proven technologies: CorDEX CONNECT™ uses RFID + Software to tag measurements with their location then organizes the data, giving the engineer a view of the pipeline at any specific location.

The unique corrosion mode option helps identify spots of thinning; MultiECHO $^{\rm IM}$ technology improves accuracy on uneven surfaces; onboard memory stores up to 1000 readings.

Designed for rugged environments, the shock resistant skin protects a 3.1 inch (8cm) colour screen and has easy-to-feel raised buttons. The intrinsically safe dual-element, 4MHz transducer is adjustable up to 8Hz with accuracy of +/-0.05mm (0.01inch).

CorDEX reserve the right to make changes to the instrument at anytime and without notice.











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Specification	
ATEX Certificate No	Baseefa11ATEX0114
IECEx Certificate No	IECEx BAS 11.0094
Marking	Ex ib IIC T4 Gb
	Ex ibD T200°C Db
Memory	Stores up to 1000 measurements
Screen	8cm (3.1inch) RGB TFT colour screen with
	backlight Right/left handed set up
Material Velocity Selection	Preloaded via Drop-Down menu, or user
	defined.
Transducer	Dual Element
Pulse Rate	Standard transmit pulse rate of 4Hz Adjust-
	able from single shot up to 8Hz
Receiver Bandwidth	1MHz to 15MHz (-3dB points)
Frequency	4MHz, 3mm up to 100mm (0.11in to 3.9in)
Accuracy	+/- 0.05mm (0.01in)
RFID Tag Reader	•Operates with 13.54MHz passive tags
	Detection range up to 5cm (1.9in
	•Supports ISO/IEC 15693-2, ISO/IEC
	18000-3 tag formats
Battery Details	 Lithium thionyl chloride primary 3.6V cell
	•100 hours continuous operation with back
	light restrictions
	Low battery warning
Operating Temperature -10°C to +50C (14 F to 122 F)	
Weight	1.1Kg (2.4lb)



Multiple calibration and zeroing modes for repeatable accuracy.



On-board data recorder and RFID scanner, store upto a thousand automatically linked to tag location.



Menu "flip" function allows use by boleft and right handed technicians.



