

INTRINSICALLY SAFE ULTRASONIC TESTER



- Features CorDEX CONNECT™
- Stores up to 1000 measurements
- Full colour, backlit screen
- Tested for Zone 1 IIC T4 hazardous areas

CorDEX Instruments UT5000 Intrinsically Safe Ultrasonic Tester 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 tester 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™ technology improves accuracy on uneven surfaces; onboard memory stores up to 1000 readings.

Designed for rugged environments, the overmoulded body protects a 3.1 inch colour screen and has easy-to-feel raised buttons. The dual-element, 4MHz transducer is adjustable up to 10Hz with accuracy of +/- 0.05mm.

CONNECT 

- **Corrosion Mode**
Continuous, real time measurements are logged with Min-Max-Average thickness readings



- **MultiECHO™ Technology**
Brackets four echoes before providing a reading, reducing intermittent readings caused by irregular echoes
- **Material Velocity Tables**
Drop-down menus to select the proper material velocity

UT5000 is supplied complete as standard with:

- UT5000
- Hard carry case
- 1 x Probe
- USB communication cable
- Coupling gel
- Battery pack
- Wrist strap

CorDEX Instruments reserve the right to make changes to the software at anytime without notice.

*Check operations maintenance manual for compatibility.

Specifications	
Certification	Tested for Zone 1 IIC T4 hazardous areas No hot work permit necessary
Memory	Stores up to 1000 measurements
Screen	3.1" 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 Adjustable from single shot up to 10Hz
Receiver Bandwidth	1MHz to 15MHz (-3dB points)
Frequency	4MHz, 3mm up to 100mm
Accuracy	+/- 0.05mm
RFID Tag Reader	<ul style="list-style-type: none"> ● Operates with 13.54MHz passive tags ● Detection range up to 5cm ● Supports ISO/IEC 15693-2, ISO/IEC 18000-3 tag formats
Battery Details	<ul style="list-style-type: none"> ● Rechargeable lithium thionyl chloride primary 3.6V cell ● 100 hours continuous operation with back light restrictions low battery warning
Operating Temperature	-10 to +50C

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