

# SensorScan® DHT-400

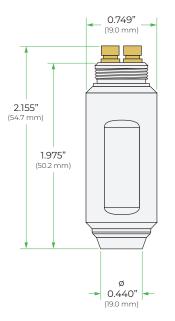
### HIGH-TEMP DUAL-ELEMENT TRANSDUCER

#### FOR THICKNESS MEASUREMENTS ON ROUGH OR CORRODED SURFACES

The SensorScan Model DHT-400 Ultrasonic Transducer is a general-purpose sensor for measuring the remaining wall thickness on rough metal ID and OD surfaces due to corrosion and/or erosion. The transducer can be used intermittently (50% duty cycle) over a wide temperature range from 0 to 932°F (-17.8 to 500°C) and continuously from 0 to 400°F (-17.8 to 204°C).

Typical applications include its use with common digital thickness gauges or flaw detectors on boiler/furnace tubes, pipes, tanks, vessels, structures and other safety-critical components at power plants, refineries, mid- and up-stream Oil & Gas assets, and chemical facilities.

## specifications



frequency
delay roof angle
connector type
contact diameter
min. and max thickness (steel)
continuous use temperature
maximum contact temperature
duty cycle
duty cycle
duty cycle cable options
duty cycle cable options cable connector options
duty cycle cable options cable connector options

5 MHz (nominal)
5 degree (10 degree included)
MD #10-32 (2x) or MCX (2x)
0.440" (11.2 mm)
Min.: 0.040" (1.0 mm), Max: 10" (254 mm)
400°F (204°C)
932°F (500°C) Intermittent
50% at 10 seconds (max recommended)
5 ft. (1.52m) standard & armored cable
Lemo-00, Olympus- & Krautkramer-style gauge
38DL PLUS, 37DL PLUS, 36DL PLUS DMS GO, All Flaw Detectors

Delivered in hard-shell case for field use

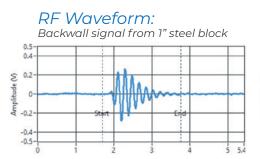
## part numbers

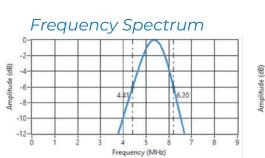
	Transducer	Kits	Cable Options (5ft.)				
item	DHT-400	DHT-400 + Lemo-00 Connector Cable (standard)	Lemo-00 Connector (standard)	Olympus Probe Recognition Connector (standard)	BNC Connector (standard)	Lemo-00 Connector (armored)	Olympus Probe Recognition Connector (armored)
MD connector	00-012543	01-030180	07-010245	07-010246	07-036032	07-036033	07-036034
MCX connector	00-030003	01-030181	07-036036	07-036037	07-036038	07-036039	07-036040

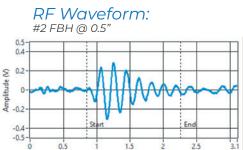
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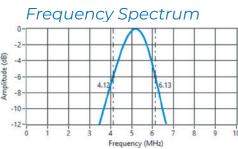
#### www.BergEng.com Berg Engineering & Sales Company, Inc.

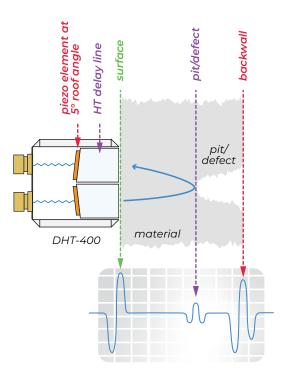
1-847-577-3980 Info@BergEng.com



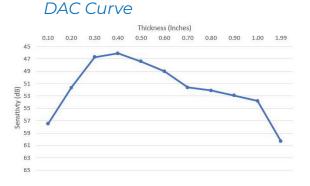




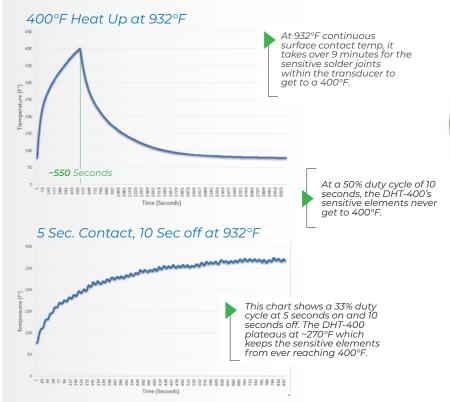




The two 5° roof angles create a pseudofocusing effect thereby increasing the transducer's sensitivity for pit-like defects.



#### Thermal-cycle testing





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