SensorScan® DHT Series

HIGH-TEMP DUAL-ELEMENT TRANSDUCERS

FOR THICKNESS MEASUREMENTS AND GAUGING ON ROUGH OR CORRODED SURFACES

The SensorScan DHT series of ultrasonic transducers are general-purpose sensors for measuring the remaining wall thickness on rough metal ID and OD surfaces due to corrosion and/or erosion. These transducers 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) depending on the transducer.

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.

DHT-400



part numbers

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

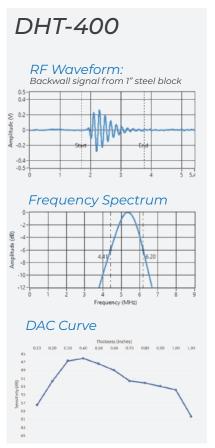
5 MHz (nominal)
5 degree (10 degree included)
MD #10-32 (2x) or MCX (2x)
0.440" (11.2 mm)
Min.: 0.040" (1.0 mm), Max: 10" (254 mm)
400°F (204°c)
932° _F (500°c) Intermittent
50% at 10 seconds (max recommended)
5 ft. (1.52m) standard & armored cable
Lemo-00, Olympus- & Krautkramer-style gauge
38DL PLUS,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

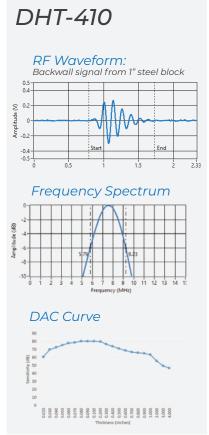
	DH1-410
	7.5 MHz (nominal)
	5 degree (10 degree included)
	MD #10-32 (2x) or MCX (2x)
	0.283" (7.2 mm)
	Min.: 0.028" (0.7 mm), Max: 4" (102 mm)
	200°F (93°C)
	300°F (149°c) Intermittent
	50% at 10 seconds (max recommended)
	5 ft. (1.52m) standard & armored cable
)	Lemo-00, Olympus- & Krautkramer-style gauge
	38DL PLUS, 37DL PLUS, 36DL PLUS DMS GO, All Flaw Detectors
	Delivered in hard-shell case for field use

DUT /10

Transducer			Kits				
connector type	DHT-400	DHT-410	DHT-400 + Lemo-00 Connector Cable	DHT-400 + Olympus Probe Rec. Connector Cable	DHT-410 + Lemo-00 Connector Cable	DHT-410 + Olympus Probe Rec. Connector Cable	
MD connector	00-012543	00-013256	01-030180	01-030182	01-013870	01-013872	
MCX connector	00-030003	00-013365	01-030181	01-030183	01-013871	01-013873	

	Standard Cable Options (5ft.)				Armored Cable Options (5ft.)			
	Lemo-00 Connector	BNC Connector	Olympus Probe Recognition Connector (DHT-400 Only)	Olympus Probe Recognition Connector (DHT-410 Only)	Lemo-00 Connector	Olympus Probe Recognition Connector (DHT-400 Only)	Olympus Probe Recognition Connector (DHT-410 Only)	
MD	07-010245	07-036032	07-010246	07-010112	07-036033	07-036034	07-010114	
MCX	07-036036	07-036038	07-036037	07-010113	07-036039	07-036040	07-010115	







Thermal-cycle testing

