

NDT INTERNATIONAL, INC.

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NDT-705 Ultrasonic Thickness Gauge

PRINCIPLE

Ultrasonic Pulse-echo with dual element transducer

MEASUREMENT RANGE

0.04 to 20.00 inches in steel
(1.00 to 500.0mm) depending on transducer, material and surface condition

TRANSDUCER

Standard ¼" element dia. x 5 MHz on 4 foot long cable. Others available for special applications

CALIBRATION

1 point calibration

FREQUENCY RANGE

Selectable 2 and 5 MHz

VELOCITY RANGE

1000 to 9,999 m/s

V-PATH CORRECTION

Automatic

UNIT of DISPLAY

Selectable inch or metric

RESOLUTION

0.04" to 4.00" = 0.001"
More than 4.00" = 0.01"
1 to 100mm = 0.025mm
More than 100mm = 0.1mm

GAIN

Adjustable for different transducers and materials

ALARM

Operator selectable lower limit by activated luminous LED

DISPLAY

0.56" high 4 digit LCD with switchable backlight

SWITCH OFF

Automatic after 3 minutes of no use or manually by keypad

POWER SUPPLY

2 "AA" x 1.5V Alkaline Batteries

OPERATING TIME

Up to 100 hours using alkaline batteries without backlight

KEYPAD

Sealed, dustproof and watertight membrane keypad

HOUSING

Molded high impact ABS

SIZE

5"H x 2.8"W x 1.4"D
125 x 70 x 35mm

WEIGHT

12 oz. including batteries

STANDARD KIT INCLUDES:

- NDT-705 Gauge
- ¼" Diameter x 5 MHz Transducer
- 4 oz. Bottle of Couplant
- Operation Manual
- Quick Guide Card
- Foam lined Carry Case



KEYPAD FUNCTIONS

ON On – Off

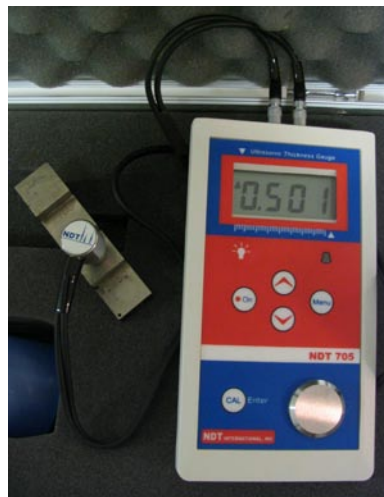
CAL Zero calibration of the Transducer

▲ Increase the Value

▼ Decrease the Value

💡 Backlight On – Off – Auto

MENU Select Function:
Velocity - Display Units -
Alarm - Gain



Optional 4-step and 5-step Ni-plated steel thickness reference blocks.

Contact: Vic Kelly or
David Kailer