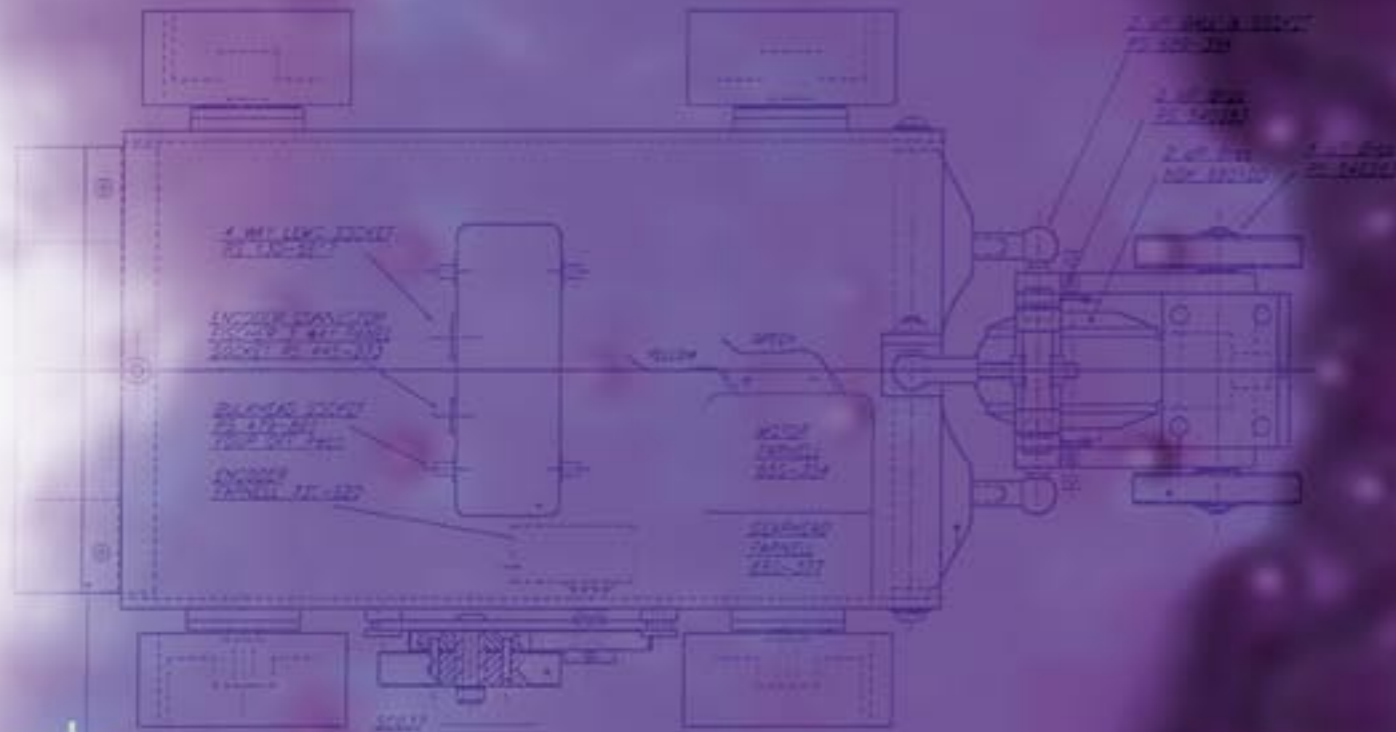


Technology Driven
Not Operator
Dependent



Technology Driven
Not Operator
Dependent



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T-SCAN 100

Industry



inspection equipment

petro-chemical industry

T-SCAN 100

T-SCAN 100

Handheld Ultrasonic Thickness Gauge used for measuring the thickness of non coated materials.



The Silverwing T-Scan 100 is a precision Ultrasonic Micrometer that can be used to make reliable measurements or scan a length of material for the thinnest point. Based on the same operating principles as SONAR, the T-Scan is capable of measuring the thickness of various materials with accuracy as high as ± 0.001 inches, or ± 0.01 millimetres. The principle advantage of ultrasonic measurement over traditional methods is that ultrasonic measurements can be performed with access to only one side of the material being measured. The T-Scan's backlit display is easy to read, even in dim light, and the unit operates for up to 200 hours on a single set of batteries.

The T-Scan has the ability to field calibrate on the fly and offers extreme flexibility and accuracy to calibrate to a variety of materials instantly. Simply tell the T-Scan one known thickness point located on the test material, and the T-Scan will calculate the material type for you. The T-Scan is also equipped with a two point calibration option, providing the user with extreme accuracy. Another special feature of the T-Scan is the high speed scan mode. In this mode, the T-Scan takes 16 readings per second rather than 4 readings per second in standard measurement mode. The readings are viewable while scanning. Simply remove the transducer from the area being tested and the T-Scan will display the minimum thickness in the area scanned.

Applications:

- Corrosion & Pitting
- Tanks
- Glass
- Tube & Pipe
- Boilers
- Variety of Applications



Physical

Weight:
10 ounces
285 gram

Size:
2.5 W x 4.75 H x 1.25 D inches
63.5 W x 120.7 H x 31.8 D mm

Operating Temperature:
-20 to 120F (-20 to 50C)

Case:
Extruded aluminum body / nickel plated aluminum end caps.

Resistant to impact and environmentally sealed.

Keypad:
Sealed membrane that is resistant to both water and petroleum products.

Six tactile-feedback keys.

Transducer:
Dual element (transmit and receive).

1 to 10 MHz frequency range.

Locking quick disconnect Lemo connectors.

4 foot cable.

Custom transducers available for special applications.

Power Source

Two 1.5V alkaline or 1.2V NiCad AA cells.
Typically operates for 200 hours on alkaline and 130 hours on NiCad.

Display:
Multi-function 4.5 digit liquid crystal display with 0.500 inch numerals, backlit for use in poor light conditions. Measurements displayed in inches, inches/microsecond, millimeters, and meters/second.
Bar graph indicates stability or reading.
Certification:
Factory calibration traceable to national standards.
Warranty:
1 year limited.

Measuring

Range:
Measures from 0.025 to 19.999 inches (0.63 to 508 millimeters) switch to select English or metric units.
Resolution:
0.001 inch (0.01 millimeter)
Velocity Range:
.0492 to .3937 in/m s
1250 to 10,000 meters/sec
Built-in:
Stainless steel reference disk for probe zeroing.
Four readings per second for single point measurements or 16 per second in SCAN mode.
Single and Two point calibration option included.

