

THE MOST PROFITABLE TOOL FOR NDT AT HEIGHT

80% of thickness inspections are conducted at heights below 12 meters from the ground, the UT_Pole is a short-term ROI solution designed to simplify these inspections. Designed by field expert, the UT_Pole is a robust and versatile. Transportable and fast to deploy, it help to perform thickness inspections on steel or stainless steel structures. The UT_Pole eliminate the need for access means, speed up the process and reduce risks.

FEATURES

- Strong: rugged and weatherproof,
- Safe: work at height free,
- Versatile: for steel & stainless steel,
- Accurate: High S/N ratio, A-scan & B-scan,
- Customization: internal safety, camera, lite version, etc.

KPIs

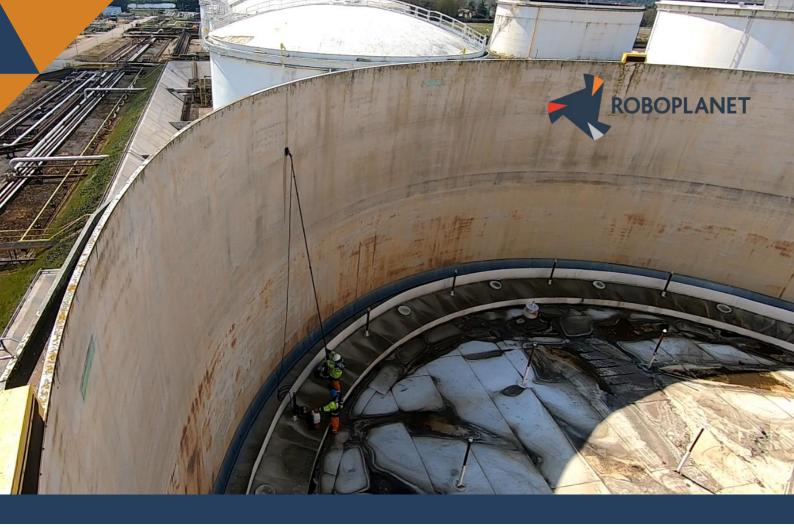
Capacity: 40 B-Scans of 12m/day for 2 operators.

Potential ROI: from 1 day to 1 month.

Efficiency: 2 operators are approximately twice as fast as a team of rope access technicians and about 5 times more cost-effective than a scaffolding solution.







	UT_POLE LITE	UT_POLE
 UT sensor dual cristal, 13mm 5Mhz Wheeled magnetic probe holder 12m pole 		
Umbilical 15m	Water and Lemo coaxial cable	Water and Ethernet cable
Custom UT electronic inside	2x Lemo-0/Lemo-1 for standard UT equipment	✓
Datareport - Automated report generation software & B-scan analysis	×	✓
Wireless UT acquisition software on PC	×	~
B-Scan and onboard UT electronics	×	~
Onboard Camera with live display	×	~

Options: IP67, safety pole pack, 4gas safety pack, maintenance and spare part, and more.





SPECIFICATIONS

INSPECTED SURFACE

 Metal: Carbon steel & Stainless steel • Wall temperature: from 0°C to 100°C

• Plate thickness: 2 - 50mm · Max coating thickness: 1mm · Minimum surface diameter: 16"

CARRIER

• Dimensions: 27X19X10 cm

• Lightweight: 2kgs

· Magnetics: 15 kg magnetic hold

 Water resistant, IP67 Rugged connectors

• Encoding precision: 0.1% FS

WATER TANK

· Capacity: 16L Pumping: Batteries

• Flow: Adjustable +- 1L/min

BATTERY

• Tension: 24V DC · Type: Batteries • Autonomy: 5h

ULTRASONIC MEASUREMENTS

· Sensors type: UT, dual Emission/Reception

• Standard precision: +/- 0.15mm • Frequency/Diameter: 5Mhz/13mm

Voltage: 0V - 200V

• Sampling frequency: 80Mhz • Adjustable gain: 0 - 60 dB

· Visualization: A-scan, B-scan display • Reporting: automated excel generation

Post inspection data modification

SIGNAL PROCESSING

• Hardware: Panasonic CF-31 or CF19

· Gates: Adjustable

 Display: A-scan & B-scan, real time • Date record: A-scan & B-scan

Save format: .csv ; .jpg

OPERATING CONDITIONS

Operating temperature: from 1° to 40°C

• Wind: <10knts

Rain: <0,5mm average/day

