

Accessory Data Sheet

Ultrasonic Thickness Gauge

Cygnus Ultrasonic Metal Thickness Swing Arm Gauge has been specifically designed to be mounted onto the VideoRay Pro 4 ROV platform. The gauge will allow the operator to carry out thickness measurements in areas that have previously been inaccessible using large ROVs or divers. The 180° swing enables measurements to be taken above, below, and head-on in confined areas such as ballast tanks and ship hulls. Multiple Echo Ultrasonic Thickness Gauges allow the measurement of metal thickness and corrosion without removing protective coatings.

Digital thickness gauge readings are superimposed on the VideoRay ROV's video feed along with date, time, heading, and temperature. User comments can also be superimposed throughout the mission to accurately record position data for post-analysis and review.

Typical Thickness Gauge applications:

- Internal Potable Water Tank Inspections
- Vessel Hull Inspections
- Vessel Ballast Tank Inspections
- Submerged Infrastructure Inspections
- Diver Inaccessible Submerged Inspections

BASIC SPECIFICATIONS

Depth Rating	300 m (1,000 ft)
Probe Type	2.25 MHz 13mm with Membrane
Probe Cable	0.95 m Double Jacket Coaxial
Variable Arm Swing	0 - 180° Vertical

