

# Cygnus Mini ROV Mountable

## Ultrasonic Thickness Gauge



Specially designed to be mounted onto small observation ROVs with or without a manipulator facility. This subsea thickness gauge allows the operator to carry out an ultrasonic thickness measurement in areas that have previously been unfeasible using larger ROVs or divers - and no need to remove coatings!

### Key Features

- **Multiple-Echo mode for accurate, through-coat measurements as specified by Classification Societies**
- **Supplied with CygLink software to display and process measurements on a computer at the surface**
- **Easy calibration at the surface via CygLink software or Topside Repeater (TSR) unit**
- **Optional Topside Repeater (TSR) unit allowing readings to be displayed remotely and superimposed onto ROV's camera screen**
- **Optional purpose-built ROV probe handlers for optimal alignment.**

## Specifications

Depth rating	Tested to 500 m (1,640 ft) depth
Weight	<i>(Air/Fresh water)</i> 550 g (19.4 oz)
Temperature	-10°C to +50°C (14°F to 122°F)
Materials	Velocities between 1,000 and 9,995 m/s (0.0400 and 0.3998 in/microsec)
Measurement Range in Steel	1 – 250 mm (0.040 – 10 inch) depending on selected probe and configuration, material and temperature
Accuracy	±0.1 mm (±0.004 inch) or 0.1% of thickness measurement, whichever is greatest, when calibrated in accordance with Cygnus Instruments calibration procedure
Resolution	0.1 or 0.05 mm (selectable) (0.005 or 0.002 inch)
Probe Options	Single crystal probes
Supply voltage	7.5 – 30 V DC @ 150 mA (max)
Display	PC or laptop with VGA (not included)
Digital	RS-422, Simplex Single Pair or 2400 Baud (RS-232 9600 Baud output available as special order)
Size	160 x 62 mm (6.3 x 2.4 inch)

