

CYGNUS UT GAUGE

The Cygnus ROV Mountable thickness gauge has been specially designed to be mounted onto small observation ROVs with or without a manipulator facility. Built in conjunction with VideoRay, this subsea thickness gauge will allow the operator to carry out an ultrasonic thickness measurement in areas that have previously been unfeasible using larger ROVs or divers.



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.
- Optional purpose-built ROV probe handlers for optimal alignment.



SPECIFICATIONS

MATERIALS	Velocities between 0.0400 and 0.3998 in/microsec (1,000 and 9,995 m/s)
MEASUREMENT RANGE IN STEEL	0.040 – 10 inch (1 – 250 mm) depending on selected probe and configuration, material and temperature
ACCURACY	±0.004 inch (±0.1 mm) or 0.1% of thickness measurement, whichever is greatest, when calibrated in accordance with Cygnus Instruments calibration procedure
RESOLUTION	0.005 or 0.002 inch (selectable) (0.1 or 0.05 mm)
PROBE OPTIONS	Single crystal transducers
POWER	7.5 – 30 V DC @ 150 mA (max)
DISPLAY	PC or laptop
SIZE	6.3 x 2.4 inch (160 x 62 mm)
WEIGHT IN AIR	19.4 oz (550 g)
OPERATING TEMP	14°F to 122°F (-10°C to +50°C)
COMMUNICATIONS	Serial converted to ethernet