

## DEDICATED ROV THICKNESS GAUGE



Cygnus Instruments offer two dedicated ROV mountable thickness gauges. The units have been designed to be mounted onto most types of work class ROV with a manipulator facility. The shallow water version is pressure tested to 1000 m and the deep water version is pressure tested to 3000 m. Dedicated software displays the time, date and thickness readings on the surface and all of these can be stored.

### FEATURES

- ◆ Two models available:
  - ❑ Shallow water version pressure tested to 1000 m
  - ❑ Deep water version pressure tested to 3000 m
- ◆ 5 m of probe cable for routing around most ROV's
- ◆ Power supply taken from the ROV
- ◆ Only one twisted pair is required to transfer the data to the surface
- ◆ The probe does not need to touch the surface under test, measurements can be taken through 5 mm of water
- ◆ Readings are not influenced by the probe orientation
- ◆ Dedicated software for displaying the measured results, storing the measurements and setting the calibration of the gauge

### SPECIFICATION

Materials	Sound velocities between 1000 m/s and 9995 m/s
Range	3 mm - 250 mm with 2.25 MHz probe 2 mm - 150 mm with 3.5 MHz probe 1 mm - 50 mm with 5 MHz probe
Accuracy	±0.1 mm      OR      ±0.05 mm
Resolution	0.1 mm      OR      0.05 mm
Probes	Single crystal soft-faced compression remote probe with 5 m of cable. 13 mm - 2.25, 3.5 or 5 MHz 19 mm - 2.25 MHz
Power	7.5 - 30 V dc @ 150mA (max)
Size	237 mm x 70 mm
Weight in air	1000 m depth model - 1.25 kg 3000 m depth model - 4.0 kg
Operating Temp.	-10°C to +50°C
Communication	Standard RS-422

# CYGNUS

ROV MOUNTABLE

## KIT CONTENTS

Instrument, heavy duty remote 2.25 MHz 13 mm diameter probe with 5 m of cable, sealed 4-way connector with fly lead, test cable, RS-422 to RS-232 converter, remote display and datalogging software (Windows compatible), spare membranes and 'O' rings, steel test block, operation manual and carry case.

## SURFACE REQUIREMENT

(Not included)

PC or laptop (486 minimum) with VGA screen and one free serial comms or USB port.



3 year warranty



BS EN ISO9001: 2000

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