



## CYGNUS FAMILY OF UNDERWATER INSPECTION GAUGES

THE “ORIGINAL” MULTIPLE ECHO THICKNESS GAUGE

Multiple echo ultrasonic metal thickness gauging means that coatings **DO NOT** have to be removed - only measure the metal - no grinding - measures on rough corroded surfaces with minimal surface preparation - fast - accurate - reliable - repeatable results - easy to use - approved by ABS and Lloyd's - manufactured to ISO 9002 standards



### CYGNUS 1 UNDERWATER

Pressure tested twice to 1,000 ft depth - double 'O' rings ensure reliability against leaks - rugged ultra durable construction - shock proof - large, bright, distinct “RED” LED display - readable in high or low visibility water - easy calibration using convenient buttons - stable calibration - no calibration drift - operator control Inch or Metric readout - automatic probe recognition - “DEEP COAT” mode measuring through coatings up to 3/4” (20mm) thick - tough, waterproof offshore travel case



### CYGNUS 1 UNDERWATER WITH TOPSIDE COMMUNICATION

Same gauge as above with capability to transfer digital information from the gauge to topside via an RS422 signal through umbilical cable

**Option A:** Hand held surface display repeater with large LCD® display in sealed watertight case

**Option B:** Data logging and remote display. Windows® based software. The umbilical is connected directly to the serial port on the PC (PC not included).

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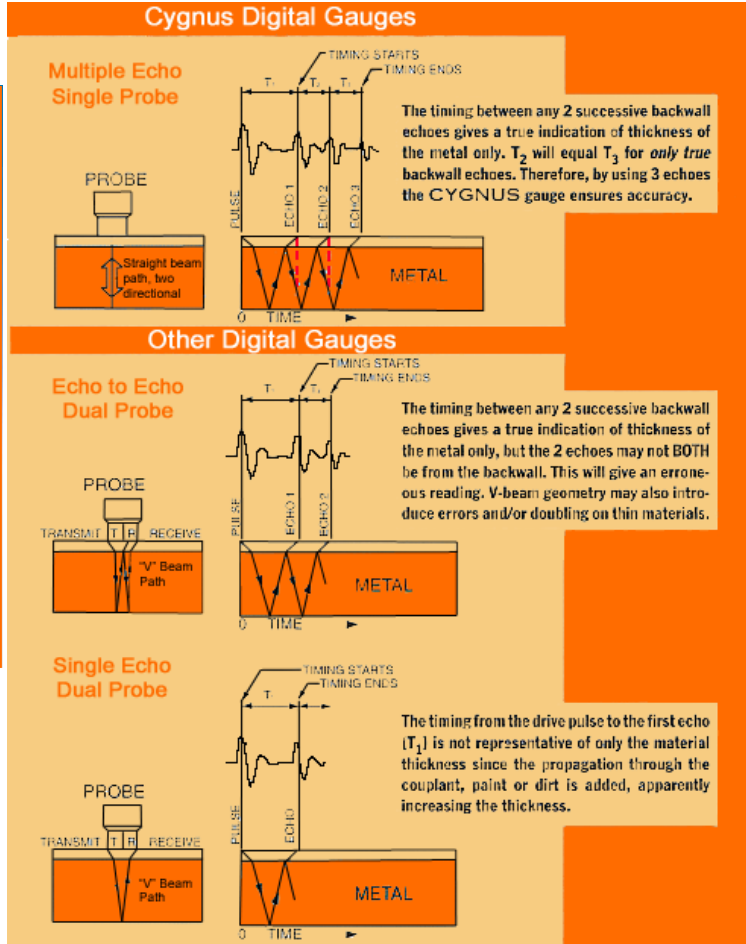
# CYGNUS FAMILY OF UNDERWATER INSPECTION GAUGES

## Complete Kit (Standard Gauge)



**Includes:** Instrument, 2 rechargeable batteries and battery charger, either fixed head or heavy duty remote 2.25MHz 1/2" diameter probe, lanyard, spare "O" rings and membranes, steel calibration block and calibration trim tool, operation manual and carry case.

**3 YEAR WARRENTY**



## Specifications

### Materials

- Sound velocities between 0.059 to 0.31 in/microsec (2,500 to 7,000 m/s)

### Range

- 0.045" to 9.995" (1.0 to 200.0mm) with 5.0MHz probe
- 0.065" to 9.995" (1.5 to 200.0mm) with 3.5MHz probe
- 0.110" to 9.995" (2.5 to 200.0mm) with 2.25MHz probe

### Resolution

- +/- 0.005" (0.1mm) optional +/- 0.002" (0.05mm)

### Accuracy

- +/- 0.005" (0.1mm) optional +/- 0.002" (0.05mm)

### Probes

- Single soft-faced compression available in fixed head or heavy duty remote probe

### Power

- 6V DC rechargeable battery with charger 110/220V AC 50/60 Hz

**Display:** Red LED on black background with 3/8" digits

**Size:** 12" x 3.375"

**Compliance:** CE, BS EN 15317:2007, RoHS, WEEE Compliant

**IP68 rated continuous emersion to 300m depth**

# CYGNUS FAMILY OF UNDERWATER INSPECTION GAUGES

## TOPSIDE GAUGE WITH LONG CABLES OPTION



**Description :** Cygnus topside gauges can be used for underwater survey work using long underwater cable up to 300' (100 m). Only the potted probe and cable go into the water with the diver. The gauges **ARE NOT** designed to go into the water.

**Cygnus 2**  
**Cygnus 3 Data Logger**  
**Cygnus 4**



## TOPSIDE COATING THICKNESS GAUGE



**Description :** Cygnus Instruments offers the Fischer Technologies coating thickness gauges to measure paint or epoxy coatings on underwater structures. These gauges are designed to measure coatings on Ferrous (iron) substrates. The maximum length of cable is up to 300' (100 m). These gauges **ARE NOT** designed to go into the water.

**MP 20**  
**MP 40**

## GAUGES MANUFACTURED TO ISO 9002 STANDARDS



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