

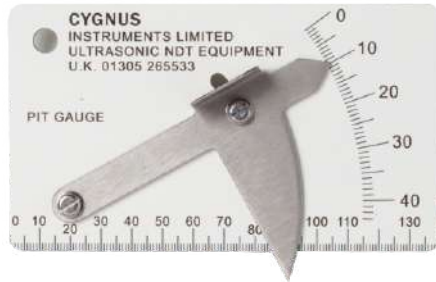
Cygnus Instruments supply a variety of thickness gauging accessories and consumable. Our range includes:

### CYGNUS MECHANICAL PIT GAUGE

Used for measuring the depth of pitting in metal plate, the Cygnus Mechanical Pit Gauge has a range of 0 - 43 mm.

Manufactured from reinforced plastic, with stainless steel fittings, making it ideal for use underwater due to the highly visible large measuring scale on white plastic.

P/N 111-7165



### ULTRASONIC COUPLANT

It is essential that ultrasonic couplant is used when taking thickness measurements (although not needed underwater). Couplant ensures that there are no air gaps between the probe and the surface being measured.

We supply Ultrasonic Couplant which is a non-hazardous thixotropic, water-based, blue gel. It is available either in a 1 litre tub or 100 ml flip-top bottle, ideal for carrying on site.



UCA-2M 1 Litre Tub - P/N 001-3707

Ultrasonix 100 ml - P/N 001-3708

### 4 STEP STEEL TEST BLOCK

Available in metric or imperial, the metric ranges from 2.5 - 20 mm and the imperial from 0.1 - 0.75 inches both in 4 steps.

Metric Test Block - P/N 001-4858

Imperial Test Block - P/N 001-4859



### 4 STEP STEEL CALIBRATION BLOCK

Available in metric or imperial, the metric ranges from 2.5 - 20 mm and the imperial from 0.1 - 0.75 inches both in 4 steps.

This calibration block is supplied with traceable certification.



Metric Calibration Block - P/N 0010-4858

Imperial Calibration Block - P/N 001-4859

### CARBON STEEL CALIBRATION STEP BLOCK 5 - 25 MM

This block has round metal steps of 5, 10, 15, 20 and 25 mm, set in Perspex, ideal for calibrating a gauge when using a single crystal probe. It is supplied with a traceable dimensional certificate and material type certificate.



P/N 001-4856

### 15 MM / 0.5 INCH TEST BLOCK

This round test block is ideal for using to check your gauge is reading correctly before each use. A steel block is supplied in every gauge kit.

Steel Metric Test Block - P/N 001-4850

Steel Imperial Test Block - P/N 001-4851

Stainless Steel Metric Test Block - P/N 001-4854

Aluminium Metric Test Block - P/N 001-4857



### SILICONE GREASE

Supplied in a 50 gram tube with all gauges that are used underwater. Silicone Grease is used to ensure the watertightness of the products. Please refer to the individual gauge manuals for instructions on where to apply the Silicone Grease.

P/N 001-4861

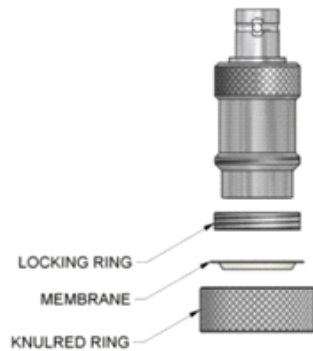


### PROBE MEMBRANES

Cygnus single crystal probes have a protective membrane fitted in front of the probe face to protect it from damage during use. The membrane also helps the probe face “mould” to surfaces being measured.

The performance of the probe depends on the condition of the membrane and how well it has been fitted. Cygnus recommends membranes are replaced frequently as a precaution or at the first sign of any scoring, tearing or damage.

Membranes are available in two materials, the standard Polyurethane membrane is suitable for surface temperatures up to 75°C (167°F), the Teflon membrane is suitable for surface temperatures up to 150°C (302°F) with a maximum contact time of 5 seconds.



A pack of standard membranes is supplied in each gauge kit. To order spares and Teflon membranes the details are:

Part Number	Probe Size	Size of Head (inc. Knurled Ring) (approx.)	Physical Size of Membrane (approx.)
Standard Polyurethane (75°C) Pack of 20			
001-3702	6 mm (0.24 inch)	18 mm (0.70 inch)	14 mm (0.50 inch)
001-3701	13 mm (0.50 inch)	24mm (0.95 inch)	21 mm (0.82 inch)
001-3700	19 mm (0.75 inch)	30 mm (1.18 inch)	28.5 mm (1.12 inch)
Teflon (150 °C) Pack of 10			
001-4873	6 mm (0.24 inch)	18 mm (0.70 inch)	14 mm (0.50 inch)
001-4874	13 mm (0.50 inch)	24 mm (0.95 inch)	21 mm (0.82 inch)
001-4875	19 mm (0.75 inch)	30 mm (1.18 inch)	28.5 mm (1.12 inch)

### MEMBRANE COUPLANT

Membrane couplant needs to be used between the membrane and the probe face. This creates a thin layer of oil that allows the ultrasound to pass through.

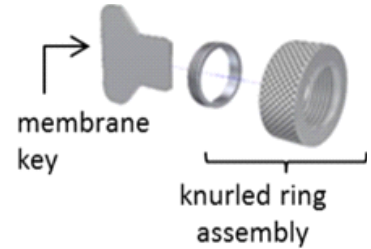
A 25 ml bottle of Membrane Couplant is supplied in each gauge kit.

P/N 001-3706



### KNURLED RINGS AND MEMBRANE LOCKING RING KEYS

Supplied with every single crystal probe, the knurled ring holds the membrane in place.



The membrane key is used to unscrew and screw in the locking ring which the membrane is fitted into.

- Knurled Ring Assembly for 19 mm (0.75 inch) Probes - P/N 001-3705
- Knurled Ring Assembly for 13 mm (0.50 inch) INOX Probes - P/N 001-3709
- Knurled Ring Assembly for 13 mm (0.50 inch) Probes - P/N 001-3704
- Knurled Ring Assembly for 6 mm (0.24 inch) Probes - P/N 001-3703
- Membrane Key for 19 mm (0.75 inch) Probes - P/N 001-2610
- Membrane Key for 13 mm (0.50 inch) Probes - P/N 001-2611
- Membrane Key for 6 mm (0.24 inch) Probes - P/N 001-2612

### CARBIDE EDGED POWER SCRAPER

Ideal for the quick removal of marine growth, loose scale and corrosion.

P/N 500-0101



### CHIPPING / BOILER SCALING HAMMER

Chipping / boiler scaling hammer, specifically for removing deposits and scale from metalwork. The head is ground to a chisel shape, one end vertical and the other horizontal. Fitted with a hickory handle

P/N 500-0100



### STEEL WIRE BRUSH AND SCRAPER

Four row general purpose wire brush. 300 m brush with 11 sets of anodised carbon steel bristles, soft grip handle and an integrated hardened steel scraper.

P/N 500-0102

