



RELIABLE ULTRASONIC MEASUREMENT



# CYGNUS 4 GENERAL PURPOSE ULTRASONIC THICKNESS GAUGE



The Cygnus 4 General Purpose thickness gauge uses the Multiple-Echo technique to accurately measure metal thickness without removing protective coatings. This compact gauge is light but tough and truly simple to use with its intuitive menu.

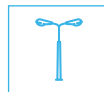
IDEAL FOR  
USE IN



SHIPPING  
SURVEYS



PLANT  
MAINTENANCE



CIVIL  
ENGINEERING

...plant maintenance, civil engineering, oil and gas, storage tanks, shipping and marine inspections.

[WWW.CYGNUS-INSTRUMENTS.COM](http://WWW.CYGNUS-INSTRUMENTS.COM)



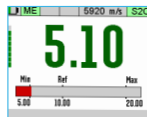
## CYGNUS 4 GENERAL PURPOSE KEY FEATURES



- **Multiple-Echo mode for accurate, through-coat measurements as specified by Classification Societies**
- **Deep Coat function ignores coatings up to 20mm thick**
- Min/Max measurement limit functions
- Visual and vibrate alert
- Simple, one-point calibration – no zeroing required
- Intuitive easy to use menu
- Large and bright front colour LCD display
- Extremely rugged enclosure - shock and impact proof to US MIL STD 810G
- Environmental sealing (water and dust proof) to IP67 – US MIL STD 810G
- Can be upgraded to 4+ or 6+ at an additional cost



**GO TO  
PRODUCT  
PAGE**



**MIN/MAX  
LIMIT AND  
ALERT  
FUNCTIONS**



**COMPATIBLE  
WITH SINGLE  
CRYSTAL  
PROBES**



**SHOCK/  
IMPACT  
PROOF TO US  
MIL STD 810G**



**WATER &  
DUST  
TIGHT IP67  
HOUSING**

Visit [www.cygnus-instruments.com](http://www.cygnus-instruments.com) to explore our full product range



#### **Cygnus-Pioneered Multiple Echo Technique**

Uses three return echoes to give a truly accurate, error-checked metal thickness measurement - ignoring coatings up to 20mm (0.8"). Accepted by all major Classification Societies.

#### **Variety of Cygnus INOX Probes**

Stainless steel SINGLE CRYSTAL probes - used in Multiple-Echo mode, these probes include replaceable membranes for long life, require no zeroing and have a high linear accuracy.

#### **Durable Cables**

Using standard industry connectors our probe leads offer superior flexibility and resistance to oils and ultraviolet light.

The cable will not stiffen after exposure to ultraviolet light.



**Call our team today on +44 (0) 1305 265 533 for expert product advice**

## CYGNUS 4 GENERAL PURPOSE SPECIFICATION

| Feature                           | Description   |
|-----------------------------------|---|
| <b>Materials</b>                  | Velocities from 1,000 - 9,000 m/s (0.0390 - 0.3543 in/us)   |
| <b>Accuracy</b>                   | ±0.05 mm (±0.002") - in Multiple-Echo measurement mode, when calibrated and measuring the same material as calibrated on.   |
| <b>Resolution</b>                 | 0.1 mm (0.005") or 0.05 mm (0.002")   |
| <b>Probe Options</b>              | Single crystal probes   |
| <b>Measurement Range in Steel</b> | 1 – 250mm (0.040 in. – 10 in.) depending on selected probe and configuration, material and temperature  |
| <b>Connector</b>                  | 2 x Lemo 00   |
| <b>Power</b>                      | 3 x AA / R6 batteries   |
| <b>Battery Life</b>               | Approx. 10 hours continuous measurement   |
| <b>Electronics</b>                | Dual channel pulser   |
| <b>Display</b>                    | 2.4" QVGA LCD, 47 mm (W) x 37 mm (H)  |
| <b>Size</b>                       | 84mm x 130mm x 35mm (W x H x D) (3.3" x 5.1" x 1.4")  |
| <b>Weight</b>                     | 300g (10.5 oz.) (inc. batteries)  |
| <b>Operating Temp.</b>            | -10°C to 50°C (14°F - 122°F)  |
| <b>Environmental Rating</b>       | IP67<br>MIL STD 810G Method 501.6 (high temp +55°C (131°F))<br>MIL STD 810G Method 502.6 (low temp -20°C (-4°F))<br>MIL STD 810G Method 507.6 (humidity 95%)<br>MIL STD 810G Method 512.6 (immersion 1 metre for 30 mins) |
| <b>Shock and Impact</b>           | MIL STD 810G Method 514.7 (vibration)<br>MIL STD 810G Method 516.7 (shock 20g)<br>MIL STD 810G Method 516.7 (transit drop 1.22 m)   |
| <b>Standards</b>                  | Designed for EN 15317   |
| <b>Compliance</b>                 | CE, UKCA, RoHS  |
| <b>Warranty</b>                   | 3 years on gauge and 6 months on probe  |



Cygnus Instruments Ltd.  
Cygnus House  
30 Prince of Wales Road  
Dorchester  
Dorset DT1 1PW  
United Kingdom



ISS7 04/22

All information provided is subject to change without prior notice.

### Cygnus Headquarters

Call +44 (0) 1305 265 533  
Email [sales@cygnus-instruments.com](mailto:sales@cygnus-instruments.com)  
Visit [cygnus-instruments.com](http://cygnus-instruments.com)

### Cygnus UAE

Call +971 50 3459305  
Email [sales@cygnus-instruments.com](mailto:sales@cygnus-instruments.com)  
Visit [cygnus-instruments.com](http://cygnus-instruments.com)

### Cygnus USA

Call +13462230415  
Email [sales@cygnus-instruments.com](mailto:sales@cygnus-instruments.com)  
Visit [us.cygnus-instruments.com](http://us.cygnus-instruments.com)

### Cygnus Singapore

Call +65 6252 5909  
Email [sales@cygnus-instruments.sg](mailto:sales@cygnus-instruments.sg)  
Visit [cygnus-instruments.com/sg/](http://cygnus-instruments.com/sg/)