



# C-Clamp

## C-Clamp – Universal Encoder



### Description

The C-Clamp encoder is an economical universal accessory for single axis inspections requiring no tools for setup and operation. Ideally suited to linear manual phased array inspections it can also fit a broad range of ultrasonic transducers and wedges. The compact design allows use in areas with limited access.

The C-Clamp Encoder arms can be quickly adjusted to the transducer or wedge width and then locked and clamped with thumbscrews. The waterproof wheel encoder is then fitted either behind or alongside the clamp dependent upon the inspection needs. The encoder is spring loaded onto the surface with the spring tension adjustable via the attachment thumb screw.

This simple and versatile encoding device is ideal for single-axis manual phased array inspections including:

- Pipe and vessel welds
- Bolt hole crack detection
- Linear array corrosion mapping
- B and C-scans

### Benefits

- **Simple:** Economical solution that requires no tools to set up
- **Precise:** High resolution encoded scans for single axis applications
- **Versatile:** Fully adjustable for any transducer or wedge up to 55mm wide
- **Strong clamp mechanism:** Ensures no lateral movement of encoder when scanning
- **Waterproof:** It can be used in harsh conditions
- **Compact design:** Allows use in areas with limited access

# Simplicity | Capability | Reliability

## Specifications

- **Clamp width:** Max opening 55mm
- **Encoder wheel diameter:** 39mm
- **Encoder Resolution:** 33 steps/mm
- **Waterproof:** IP68 rated (immersion up to 1m)
- Adjustable encoder spring-loading
- Can be positioned at 0° & 90° (for B & D-scans)
- Connection to fit Sonatest instruments

## Standard Kit content PX-C-CLAMP

- Encoder with 2.5m cable
- Universal clamp system
- Protective Case

## Accessories

- Probe & Wedges – Refer to Sonatest transducer catalogue
- ASM-9037-WPUMP – Portable Electric Pump Unit
- JX-CMA013 – Portable Manual Couplant Pump – 2 gallons
- JX-CMA014 – Portable Manual Couplant Pump – 3 gallons
- Calibration Block – Refer to Sonatest transducer catalogue



## Related Products

veo+



Veo+ (Multiscan)

pris<sup>ma</sup>



Prisma (IPA or 2TOFD)

## Distributed by:

**Sonatest (Head Office)**  
Dickens Road, Old Wolverton  
Milton Keynes, MK12 5QQ  
t: +44 (0)1908 316345  
e: sales@sonatest.com

**Sonatest (North America)**  
12775 Cogburn, San Antonio  
Texas, 78249  
t: +1 (210) 697-0335  
e: sales@sonatestinc.com