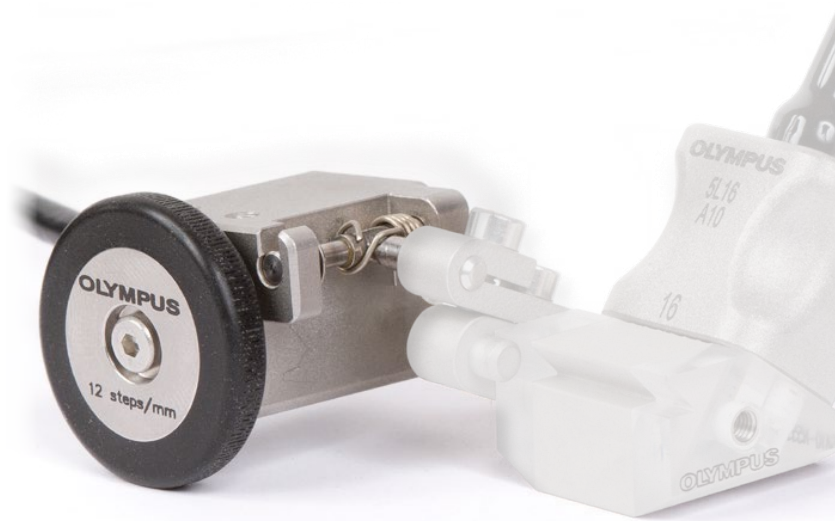


Mini-Wheel™ – Small Footprint Encoder



The Mini-Wheel™ encoder is used for the positioning and dimensioning of defects in the scan axis and can synchronize data acquisition with probe movement. Typical applications are laboratory testing, training, and manual inspection data sampling*.

The Mini-Wheel encoder is waterproof and compatible with the HST-X04 scanner. Mount standard Olympus wedges using the included bracket kit. This miniature encoder is made entirely of stainless steel and features sealed bearings for long-lasting smooth operation. The custom electronic circuit was designed to prevent noise induction in UT signals.

Ordering Information

Part Number	Item Number	Connector	Compatibility
ENC1-2.5-LM	U8775295	LEMO	Current OmniScan® instruments
ENC1-2.5-DE	U8780197	DE-15	OmniScan MX
ENC1-2.5-BX	U8780196	Bendix	TomoScan Focus LT

The cable length suggested in the table is 2.5 m. Other lengths are available.

HST-X04 – TOFD Weld Inspection

Part Number	Item Number	Description
HST-X04	U8750007	Package includes: Mini-Wheel™ encoder 2x 10 MHz, 3 mm TOFD probes 2x 5 MHz, 6 mm TOFD probes 2x ST1-45L-IHC 2x ST1-60L-IHC 2x ST1-70L-IHC 2x 5 m LEMO® 00 to Microdot™ UT cables 2x LEMO 00 to BNC adaptors
HST-X04-SCN	U8779098	Scanner and Mini-Wheel encoder only (no probes, wedges, or cables)
HST-X04-PA	U8775137	Scanner holds 40 mm wide phased array wedges and a Mini-Wheel encoder (no probes, wedges, or cables).

Features

- Waterproof (IP68).
- Stainless steel construction.
- Encoder resolution of 12 steps/mm.
- Removable encoder wheel.
- Overmold rubber wheel for better grip.
- Sealed bearing for long-lasting smooth wheel rotation.
- Spring-loaded attachment system.
- Threaded holes for alternative mounting.

Standard Inclusions

- One encoder with standard rubber wheel.
- One mounting bracket kit and tools.

Options

Magnetic Wheel

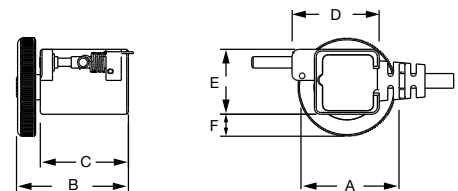
Use the optional magnetic wheels for maximum adherence to ferromagnetic surfaces. The first P/N is compatible with the O-ring tire encoder and the V2 is for the overmold tire encoder.

P/N: ENC1-A-MagWheel [U8902964]
ENC1-A-MagWheel-V2 [U8775290]

Mounting Bracket Kit

The extra mounting bracket kit is used to mount the Mini-Wheel encoder on a wedge.

P/N: ENC1-BRACK [U8775120]



A = 27 mm

B = 31 mm

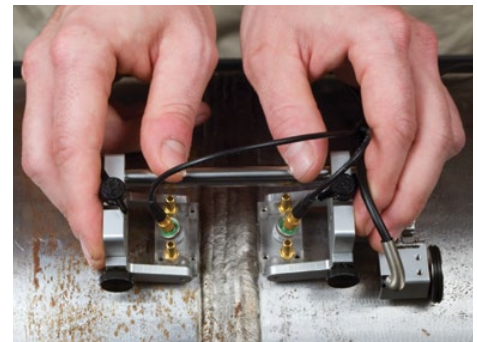
C = 24.5 mm

D = 24.2 mm

E = 18 mm

F = 6.1 mm

*For high-rate inspection, use of a scanner with heavy-duty encoding devices is recommended.



The HST-X04™ TOFD manual scanner offers an efficient, low-cost weld inspection solution.