

JIREH ODI-II Two Probe Modular Encoder User Manual

[Home](#) » [JIREH](#) » JIREH ODI-II Two Probe Modular Encoder User Manual 

JIREH USER MANUAL

Contents

- [1 ODI-II Two Probe Modular Encoder](#)
- [2 INTENDED USE](#)
- [3 SPECIFICATIONS](#)
- [4 MAINTENANCE](#)
- [5 PREPARATION FOR USE](#)
- [6 TROUBLESHOOTING](#)
- [7 SPARE PARTS](#)
- [8 Documents / Resources](#)
 - [8.1 References](#)
- [9 Related Posts](#)

ODI-II Two Probe Modular Encoder

KEEP THIS MANUAL – DO NOT LOSE

THIS MANUAL IS PART OF THE ODI-II SYSTEM AND MUST BE RETAINED FOR THE LIFE OF THE PRODUCT. PASS ON TO SUBSEQUENT OWNERS.

Ensure any amendments are incorporated with this document.



WARNING! DO NOT DISASSEMBLE. No user-serviceable parts.

Disassembling any of the components in this product, beyond the instructions in this user manual, could void the regulatory certifications and/or effect the safety of the product.



— The WEEE symbol indicates that the product must not be disposed of as unsorted municipal waste, but

should be collected separately.

INTENDED USE

The ODI-II is a mini encoder designed to provide the encoded position of two probes along the scan axis.

SPECIFICATIONS

Clamp width:	45 mm (1.75 in)
Encoder wheel diameter:	20.37 mm (0.8 in)
Encoder resolution:	16.00 counts/mm (406.4 counts/inch)
Environmental sealing:	Watertight (submersible), Contact JIREH for details
Weight:	0.36 kg (0.8 lb)
Operating environment:	-20°C (-4°F) to 50°C (122°C)

MAINTENANCE

Wipe the scanner clean as required. Do not soak or submerge the scanner in cleaner or solvent of any kind.

PREPARATION FOR USE

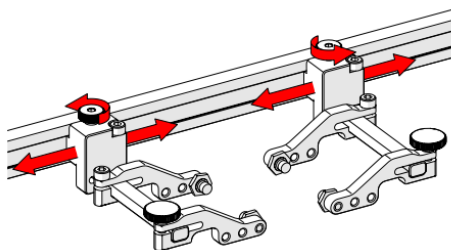


Fig. 1 - Frame bar positioning

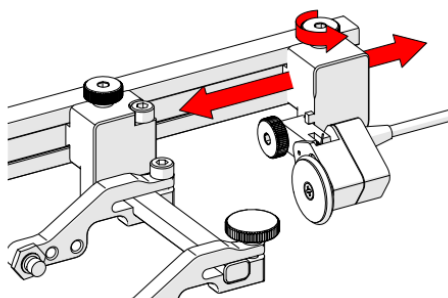


Fig. 2 - Encoder positioning

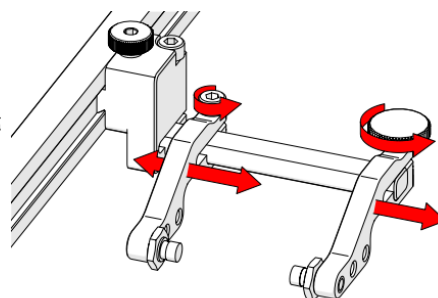


Fig. 3 - Probe holder arm adjustment

4.1. Probe Holder Setup

1. Loosening the probe holder adjustment knobs (Fig. 1) allow the probe holders to be positioned along the frame bar.
2. The encoder position may be adjusted by loosening the encoder adjustment knob (Fig. 2).
3. Position the probe holder arms after loosening the arm clamp screw or probe holder arm adjustment knob (Fig. 3).
4. Loosen the probe holder arm adjustment knob to remove the probe holder arm (Fig. 3).

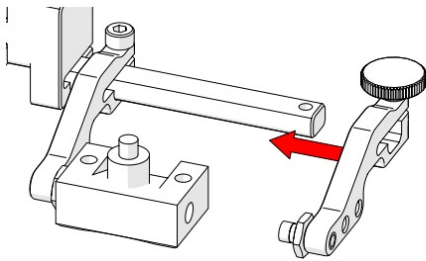


Fig. 4 - Mount wedge

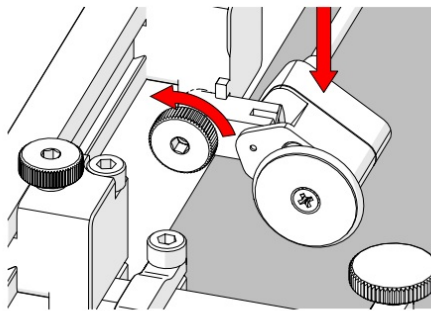


Fig. 5 - Lower encoder wheel

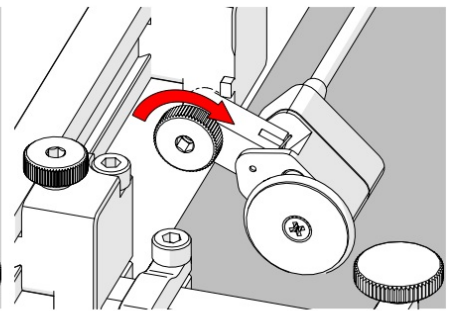


Fig. 6 - Ensure spring tension

5. Place the wedge on the inner probe holder arm's button and clamp in place with the outer probe holder arm (Fig. 4). Tighten the probe holder arm adjustment knob.

4.2. Encoder Setup

1. Loosen the encoder's thumb screw and lower the encoder wheel's pivot joint towards the scan surface (Fig. 5).
2. Tighten the encoder thumb screw and ensure adequate spring tension of the encoder wheel to the scan surface (Fig. 6).

TROUBLESHOOTING

Encoder not incrementing

Encoder wheel not in contact with scan surface

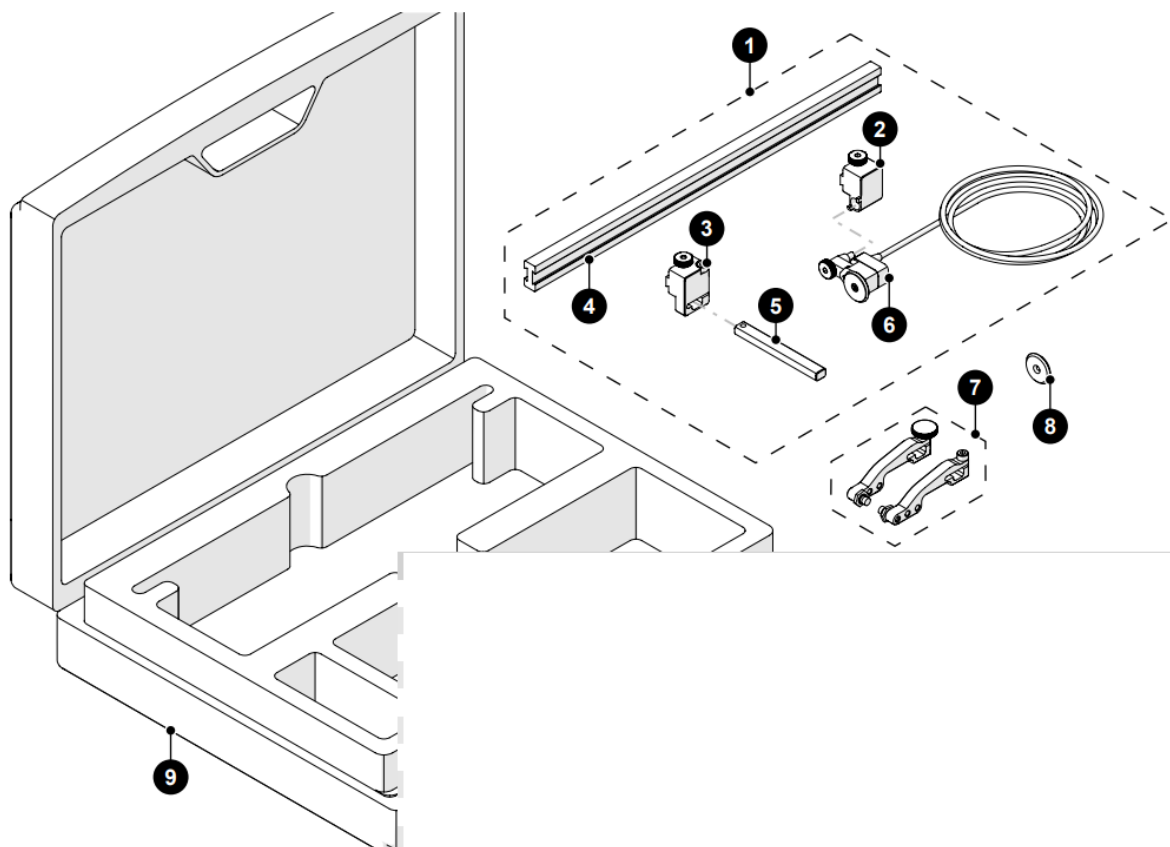
Rotate pivot joint until wheel is in contact with scanning surface and spring joint is slightly depressed.

(see 4.2. Encoder Setup)

Encoder connector not properly connected to scanning device

Check scanning devices instructions to properly connect an encoder.

SPARE PARTS



BOM ID	Part #	Description
1	CKS010-X-05	Base ODI-II (various encoder connector types)
2	CKS015	Encoder Clamping Mount
3	CKS014	Yoke Clamping Mount
4	CK0047-X	Dovetail Slide Frame Bar (30 mm, various lengths available)
5	CK0018	Clamp Arm (70 mm, various lengths available)
6	CKS011-X-05	Encoder Assembly (various encoder connector types)
7	PHG0XX-BXX	Probe Holder Arm Set (various styles available)
8	CK0064	Heat treated stainless steel encoder wheel
9	CKA010	ODI-II Case

For information on various options, contact infor@jireh.com or visit jireh.com

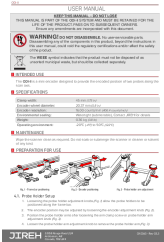
JIREH

780.922.4534

jireh.com

CK0063 – Rev 03.3

Documents / Resources

	<p>JIREH ODI-II Two Probe Modular Encoder [pdf] User Manual ODI-II, Two Probe Modular Encoder, ODI-II Two Probe Modular Encoder, Probe Modular Encoder, Modular Encoder, Encoder, CK0063</p>
---	---

References

-  [Let JIREH Industries help you perform efficient inspection for every UT application.](#)

[Manuals+](#)