

This package is specifically created for a quick and easy solution to manually inspect Long Seam Welds. An all-in-one embedded feature that only requires a single Phased Array platform (Veo3) without the need for additional software tools. The main advantage of the setup is the reliability and repeatability of data acquisition, that is supplemented with a comprehensive user interface for easier visualisation of the curved surfaces. Ultimately simple to use but effective features significantly improve the characterisation of flaws.

**Industries**

- Service (pipe integrity)
- Oil & Gas

**Typical Applications**

- Long seam weld (2" COD and more)
- Pressure vessel

**Features & Benefits**

- Corrected A-Scan view including a true depth ruler
- Full 3D view rendering
- Sectorial scan with integrated pipe overlay
- Cost efficient detachable probes & cables
- Constant resolution focusing for optimising the number of beams in the region of interest



## Recommended Package

Category	Part Number	Description
<b>Product</b>	VEO3 32:64PR BNC Or VEO3 32:64PR LEMO	VEO3 32:64PR / 2UT:PR Kit BNC or VEO3 32:64PR / 2UT:PR Kit LEMO
<b>Instrument Options</b>	SW-VEO3PA32  SW-VEO3PACSC	Upgrade to 32 pulsers/receivers  SW Option: Phased Array Curved Surface Correction
<b>Probes</b>	D1A-002 (2x) or X2B-001 (2x)	D1A-5M32E-0.8x12 or X2B-5M32E-0.6x10
<b>Wedges</b>	D1AW-009 (2x) or X2BW-007 (2x) for each COD: 4", 6", 8", 12", 16", 24" and 38"	D1AW-N57S-IHC or X2BW-N60S-IHC
<b>Cable</b>	D1-CABLE-004	D1-CABLE-D-QX5 (5 metre cable)
<b>Encoder</b>	Jireh  • JX-1004  Phoenix  • • PX-C-Clamp	Jireh  • Single Universal Encoder 2.5m    • Compact Universal Encoder

## Frequency recommendations according to the thickness (T)

35 mm < Thickness < 65 mm = 2.25 MHz

15 mm < Thickness < 45 mm = 5 MHz

6 mm < Thickness < 18 mm = 7.5 MHz models or (D1A-003, D1S-002 or X2B-004)

Thickness < 6mm = 10 MHz (D1S-004 or X2B-008)

For further information, please contact the Sonatest Sales Team: [sales@sonatest.com](mailto:sales@sonatest.com)

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