

Vacuum test fixture

VA 4040/F/H/PYLON-12

Item 114514



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- Vacuum test fixture with parallel lifting vacuum cassette
- Robust, maintenance-friendly design with outstanding service life
- Increased ease of use thanks to simple, intuitive handling
- Easy access to housing interior thanks to wide opening angle
- Vacuum cassette can be upgraded for dual-stage contacting
- For the assembly of items delivered unassembled, Refer to the drawings of the items specified in the parts list to assemble items

Application

Typical service life of tip is approximately 25,000 load cycles (laboratory conditions)

Version

- 10 mm thick, deflection-resistant probe plate (KTP) made of FR4
- Incl. 6 mm thick moving plate (ADP) with ESD-conductive surface, including 4 captive screws
- Tool-free access to the probe plate (KTP) to replace worn test probes easily
- Housing to be opened with tool (TORX T20)
- Foldable bow handles for safe, easy transport.

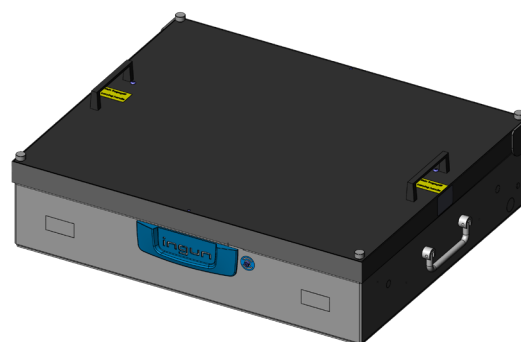
Delivery

The product is delivered partially assembled. The housing is fully assembled. The vacuum cassette with components to be reworked for a DUT-specific customisation must be assembled upon delivery.

General data

| | |
|----------------------------------|--------------------------|
| Test system interface: | Gedis Pylon |
| Product group: | Vacuum test fixture (VA) |
| Main series: | VA xxxx |
| Subseries: | VA 40xx |
| Series: | VA 4040 |
| Size: | xx40 |
| Test fixture type: | Stand-alone test fixture |
| Contact stroke generation: | Vacuum |
| Housing type: | Flat housing |
| Contacting direction: | 1-stage / 2-stage |
| Max. contact force: | 16,000 N [57,551 ozf] |
| Approx. parallel contact stroke: | 12.8 mm [.503 in] |
| Weight: | 12.5 kg [27.5 lbs] |
| Min. temperature: | 10 °C [50 °F] |
| Max. temperature: | 60 °C [140 °F] |
| RoHS-compliant: | Yes |

NEW



Note:

The customising guidelines document INFO 4630 should be referred to for the professional customisation of VA 40xx test fixtures for single-stage contacting. For dual-stage contacting customisation, please refer to customising guidelines document INFO 4638.

Technical data

| | |
|---|---|
| Test probe installation height, bottom: | 16 mm [.629 in] |
| Test probe installation height, dual-stage, bottom: | 21.3 mm [.838 in] |
| Force of gas pressure springs: | 400 N (L: 200 N / R: 200 N) |
| Standard version: | Yes |
| Useable area, standard (WxD): | 460 x 340 mm [18.1 x 13.3 in] |
| ESD version: | No |
| Radio frequency version: | No |
| Rigid pin version: | No |
| Dual-stage version: | <p>Yes, with compatible additional option</p> |
| Useable area, dual-stage (WxD): | 435 x 340 mm [17.1 x 13.3 in] |
| Additional contacting unit (ZSK), top: | Yes, with suitable additional option |
| Outer dimensions, closed (WxDxH): | 575 x 510 x 167 mm [22.6 x 20 x 6.57 in] |

INGUN SELECTION

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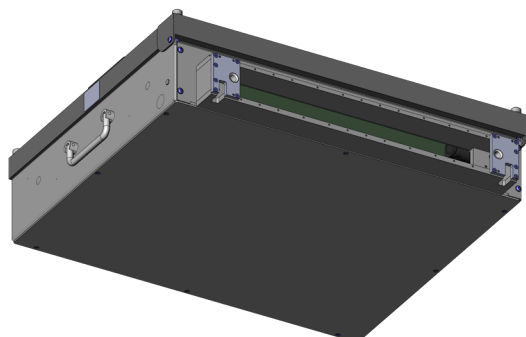
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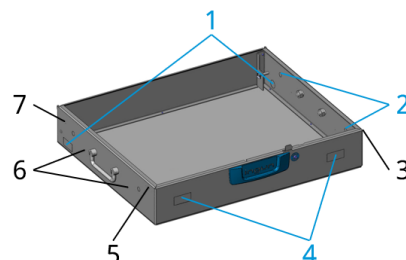
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Housing perforations and pilot holes



Perforated for:

- 1. Cable connections
- 2. Additional handles
- 4. Stroke counter

Prepared for:

- 3. ESD discharge button
- 5. Anti-pinch protection
- 6. Alum-A handles
- 7. Earthing contact

Accessories

| Part no. | Designation | Version |
|----------|-------------------------|--|
| 114715 | FB-2VE-VA4040 | Dual-stage shifting unit |
| 100974 | VD-V-4040-2 | Vakuumdichtung außen |
| 107048 | VD-Z-21-300-200-2 | Vacuum seal vacuum-free zone (fixed dimensions) |
| 109501 | VD-Z-21-XXX-XXX-2 | Vacuum seal vacuum-free zone (variable dimensions) |
| 31788 | GDF-185-60-200N-A6-A6 | Gas pressure spring |
| 105791 | FED-10,0-24,5-103N-11,6 | Pressure spring |
| 2599 | HBS-03,0-10,0 | Stroke-limiting disk |
| 116613 | EHZ-08-R-11-TR | Electric stroke counter |
| 113481 | FB-TWA | Alum-A transport bracket |
| 17036 | FB-ALS-VAxxxx-2S | ESD discharge probe |
| 115943 | MAP VA4040 | Ground plate |

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Prices and delivery times on request.
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