

# Vacuum test fixture

## VA 4030/F/H

Item 114626



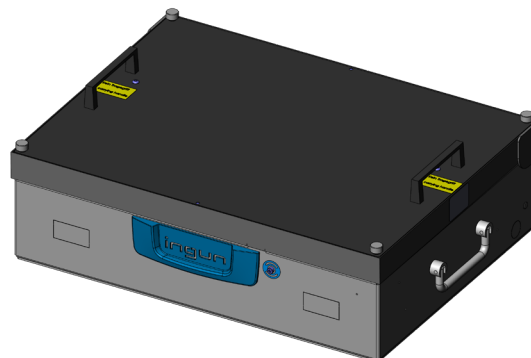
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Partner for Future Technology

- 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

NEW



### 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.

#### 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.

### General data

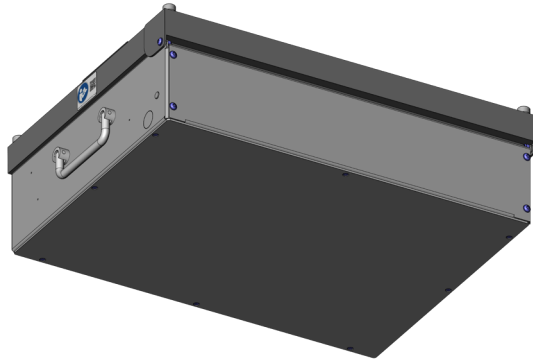
|                                  |                          |
|----------------------------------|--------------------------|
| Test system interface:           | Not pre-wired            |
| Product group:                   | Vacuum test fixture (VA) |
| Main series:                     | VA xxxx                  |
| Subseries:                       | VA 40xx                  |
| Series:                          | VA 4030                  |
| Size:                            | xx30                     |
| Test fixture type:               | Stand-alone test fixture |
| Contact stroke generation:       | Vacuum                   |
| Housing type:                    | Flat housing             |
| Contacting direction:            | 1-stage / 2-stage        |
| Max. contact force:              | 9,000 N [32,372 ozf]     |
| Approx. parallel contact stroke: | 12.8 mm [.503 in]        |
| Weight:                          | 7.8 kg [17.1 lbs]        |
| Min. temperature:                | 10 °C [50 °F]            |
| Max. temperature:                | 60 °C [140 °F]           |
| RoHS-compliant:                  | Yes                      |

### Technical data

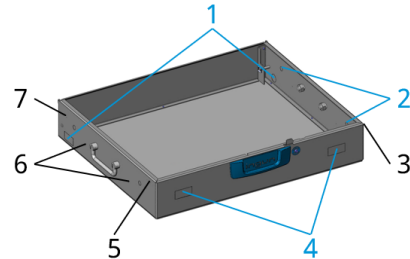
|                                                     |                                               |
|-----------------------------------------------------|-----------------------------------------------|
| Test probe installation height, bottom:             | 16 mm [.629 in]                               |
| Test probe installation height, dual-stage, bottom: | 21.3 mm [.838 in]                             |
| Force of gas pressure springs:                      | 300 N (L: 150 N / R: 150 N)                   |
| Standard version:                                   | Yes                                           |
| Useable area, standard (WxD):                       | 360 x 230 mm [14.1 x 9.05 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):                     | 340 x 230 mm [13.3 x 9.05 in]                 |
| Additional contacting unit (ZSK), top:              | Yes, with suitable additional option          |
| Outer dimensions, closed (WxDxH):                   | 485 x 355 x 164 mm [19 x 13.9 x 6.45 in]      |



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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                                            |
|----------|-------------------------|----------------------------------------------------|
| 114714   | FB-2VE-VA4030           | Dual-stage shifting unit                           |
| 104093   | VD-V-4030-2             | 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) |
| 34848    | GDF-185-60-150N-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                                |
| 115941   | MAP VA4030              | Ground plate                                       |

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