Manual test fixture

MA 2115/D/H/S-14

Item 116000





- Manual test fixture with parallel closing drive mechanism for testing medium quantities of printed circuit boards in the highest quality and small number of versions.
- Interchangeable set of test fixtures without preconfigured test system interface
- · High housing with two foldable handles on each side for better carrying comfort
- Two gas springs in the housing, each with 300 N, support easy, safe opening and closing
- Anti-pinch protection on both sides increases operator safety
- Modular, configurable internal interface for up to 14 interface blocks
- Exchangeable kits which can be installed without tools and used without readjustment
- Maximum opening angle may vary due to the length tolerance of +/- 2 mm of the gas spring

Application

The manual test fixture is used for contacting large PCBs with medium quantities (series testing) and a high number of versions. It is designed as an interchangeable kit system, is connected to an existing test system, and is operated with an exchangeable kit that is specially designed for the PCB to be tested.

The operation is manual. The drive unit serves as the opening, closing and contacting mechanism. It is used to perform the parallel contact stroke to ensure precise and reliable contacting.

Note:

The unpopulated internal interface is populated with SB-T interface blocks (test system side). The maximum permissible interface force of 1,870 N must be observed.

General data

RoHS-compliant:

Test system interface: Not pre-wired Product group: Manual test fixtures (MA) Main series: MA xxxx Subseries: MA 21xx MA 2115 Series: Size: xx15 Test fixture type: Exchangeable test fixture Contact stroke generation: Manual Housing type: High desk housing Max. interface signals: 1700 Interface blocks required: Test system side Max. internal interface blocks: 14 Single-sided (bottom) Contacting direction: Max. contact force: 2,000 N [7,193 ozf] 15 mm [.59 in] Approx. parallel contact stroke: Weight: 25 kg [55.1 lbs] 10 °C [50 °F] Min. temperature: Max. temperature: 60 °C [140 °F] Low voltage: ESD-compliant: No









By replacing the gas springs, an additional weight of 3 kg can be loaded onto the pressure frame for every 100 N increase.

Technical data

recrimedi data		
Test probe installation height, top:		16 mm [.629 in]
Test probe installation height, bottom	ղ:	10.5 mm [.413 in]
Test probe installation height, dual-st	age, bottom:	16 mm [.629 in]
Free space above PCB:		58 mm [2.28 in]
Force of gas pressure springs:	600 N (300	N left/ 300 N right)
Pressure frame opening angle:		69°
Standard version: Yes, wit	h compatible ex	changeable kit
Useable area, standard (WxD):	600 x 450	mm [23.6 x 17.7 in]
ESD version:		No
Radio frequency version:		No
Rigid pin version:		No
Dual-stage version: Yes, wit	h compatible ac	lditional option
Useable area, dual-stage (WxD):	600 x 450	mm [23.6 x 17.7 in]
Additional contacting unit (ZSK), top:	Yes, with suitab	le additional option
Outer dimensions, open (WxDxH):	830 x 666 x 87	8 mm [32.6 x 26.2 x
34.5 in]		
Outer dimensions, closed (WxDxH):	830 x 728 x 37	5 mm [32.6 x 28.6 x
14.7 in]		

Yes

Manual test fixture MA 2115/D/H/S-14

Item 116000







Exchangeable kit & accessories

Exchangeable Rick a decessories			
Part no.	Designation	Version	
Exchangeab	xchangeable kit		
114779-KIT	ATS MA15/S-14	Exchangeable kit	
Accessories	ssories		
49316	GDF-185-60-300N-A6-A6-D	Gas pressure spring	
9991	GDF-305-120-300N-A6-A6	Gas pressure spring	
116613	EHZ-08-R-11-TR	Electric stroke counter	
113481	FB-TWA	Alum-A transport bracket	
20202	02 Micro switch Check for open housing		

INGUN Prüfmittelbau GmbH

Max-Stromeyer-Straße 162 78467, Constance, Germany Phone +49 7531 8105-0 Customer hotline +49 7531 8105-888 Fax +49 7531 8105-65 info@ingun.com









Learn more about Manual test fixtures (MA)

