

# Manual test fixture

## MA 2011/D/H

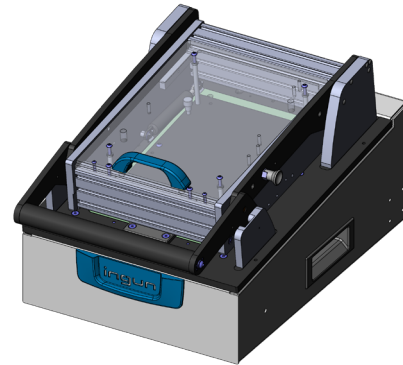
Item 48590



Partner for Future Technology

### INGUN SELECTION

- Manual test fixtures with parallel closing drive mechanism for testing medium PCB quantities with the highest quality and precision
- Stand-alone test fixtures with and without pre-configured test system interface
- Integrated, non-exchangeable kits in standard, ESD and RF versions that can be used without readjustment
- Direct, hard-wired signal transmission
- Detailed accompanying documents (e.g., customising guidelines)
- Maximum opening angle may vary due to the length tolerance of +/- 2 mm of the gas spring



### General data

Product group:	Manual test fixtures (MA)
Main series:	MA xxxx
Subseries:	MA 20xx
Series:	MA 2011
Size:	xx11
Test fixture type:	Stand-alone test fixture
Contact stroke generation:	Manual
Housing type:	Desk housing
Max. interface signals:	1000
Interface blocks required:	No
Max. internal interface blocks:	0
Contacting direction:	Single-sided (bottom)
Max. contact force:	2.000 N [7.19 ozf]
Approx. parallel contact stroke:	15 mm [.590 in]
Test system interface:	Not pre-wired
Weight:	12 kg [26.4 lbs]
Min. temperature:	+ 10 °C [+ 50 °F]
Max. temperature:	+ 60 °C [+ 140 °F]
Low voltage:	Yes, with suitable additional option
ESD-compliant:	No
RoHS-compliant:	RoHS-3;6a;6b;6c

### Technical data

Pushrod length:	60 mm [2.36 in]
Test probe installation height, top:	16 mm [.629 in]
Test probe installation height, bottom:	10.5 mm [.413 in]
Test probe installation height, dual-stage, bottom:	16 mm [.629 in]
Free space above PCB:	58 mm [2.28 in]
Force of gas pressure springs:	200 N (L: 100 N / R: 100 N)
Pressure frame opening angle:	69 °
Standard version:	Yes
Useable area, standard (WxD):	150 x 240 mm [5.90 x 9.44 in]
ESD version:	No
Radio frequency version:	No
Rigid pin version:	No
Dual-stage version:	Yes, with suitable additional option
Useable area, dual-stage (WxD):	150 x 240 mm [5.90 x 9.44 in]
Additional contacting unit (ZSK), top:	Yes, with suitable additional option
Outer dimensions, open (WxDxH):	320 x 461 x 583 mm [18.1 x 22.9 in]
Outer dimensions, closed (WxDxH):	320 x 515 x 270 mm [20.2 x 10.6 in]