

Keysight Technologies 55290B Rotary Axis Measurement Kit

Data Sheet



To make angular position measurements the following products are required:

- Basic 5530 Laser Calibration System
- Angular Optics Kit (55281A)
- Rotary Axis Measurement Kit (55290B)
- Fixturing Kit (55290A-744)
- Metrology Application Software (10747F rev F.04.04 or later)

Specifications when used with the Angular Optics Kit (55281A)

Accuracy	±1.0 arc sec
Repeatability	±0.8 arc sec
Resolution	0.36 arc sec
Max rpm	30 rpm
Mounting orientation	Random (includes upside down)
Operating temperature	0 – 40 °C (32 – 104 °F)
Dimensions in storage case	560 x 455 x 265 mm (22.06 x 17.93 x 10.44 in)



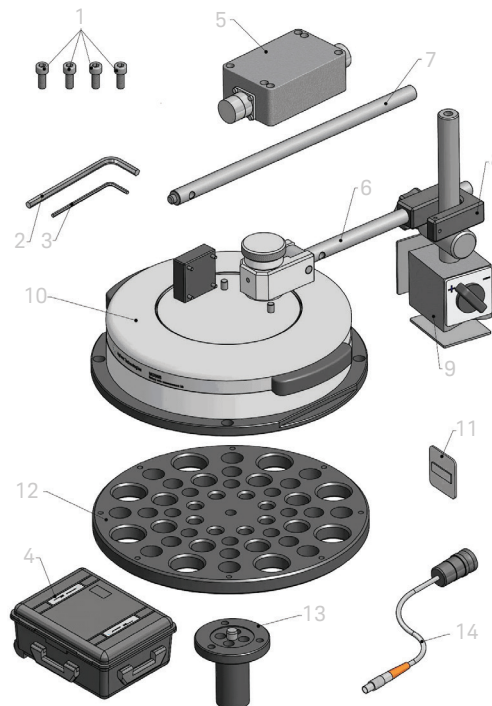
Ship weight in storage case	26.4 kg (58 lb)
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Components of the 55290B Rotary Axis Measurement Kit

Description	Qty
1 Socket-head cap screw, M6 x 12 mm	4
2 Hex-allen key ball point, 5 mm	1
3 Hex-key ball end, 2.5 mm	1
4 Storage case	1
5 Signal interpolator	1
6 Shaft, 200 mm	1
7 Shaft, 300 mm	1
8 Set rotation prevention	1
9 Magnetic stand	1
10 Rotary transducer head	1
11 Magnetic alignment reflector	1
12 Adapter plate	1
13 Flanged adaptor shaft	1
14 A quad B cable	1

Related Literature

Publication title	Publication number
Keysight 5530 Laser Calibration System Brochure	5989-9354EN
Keysight 5530 Laser Calibration System Data Sheet	5989-9712EN
Keysight 55290B Rotary Axis Measurement Kit Supplemental Guide	55290-90006



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