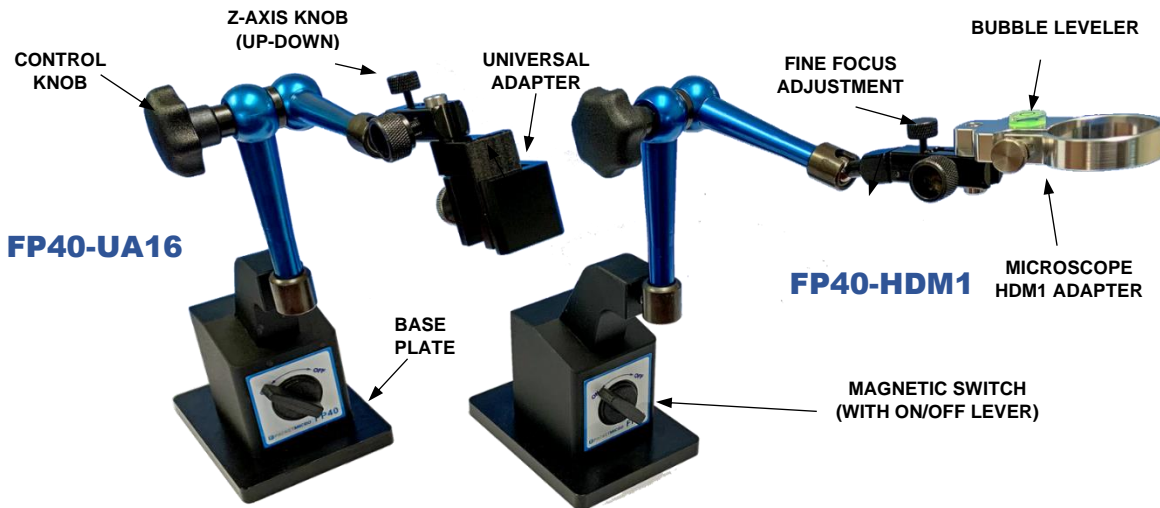


FLEX POSITIONER FP40

THE LOW-COST, VERSATILE POSITIONER FOR MICROSCOPES AND PROBES



Flex Positioner FP40 is designed as a low-cost positioner to hold oscilloscope probes and digital microscopes. Using the articulated arm to place the probe tip on top of the DUT and then controlling the probe force with Z-axis knob, one can make good test measurements with reliable probe contact. With HDM1 adapter, FP40 can hold USB microscopes from Dino-Lite with fine focus adjustment.

- **Articulated arm** controlled by a single thumb knob
- **Long-reach arm** (260 mm/10.2")
- **Various changeable adapters** for probes and USB microscopes
- **Switchable Magnetic Base** can be switched on to keep positioner locked to a metal surface and then off for moving to a new location
- **Metal Base Plate with Rubber Bottom** allows the long flexible arm to extend in full length as it stands on a regular nonmetallic bench

SPECIFICATIONS	
Articulated arm	3 links and 3 joints controlled by a single thumb knob
Arm Length	260 mm (10.2")
Z-Axis Adjustment	+/- 7.5°
Dimensions/Weight	350 Lmax x 60 x 380 mm Hmax (13.8 x 2.4 x 15") / 1.5 kg (3.3 lb.)
Base Plate Dimensions/Weight	120 L x 90 W x 10.5 mm H (4.7"x 3.6" x 0.45") / 0.82 kg (1.8 lb.)

ADAPTERS



Universal Adapter (UA16-FP40_80)

UA16 adapter is for holding large oscilloscope and RF probes

- Size: 25 L x 25 W x 35 mm H (1 x 1 x 1.4")
- Opening: adjustable 4 – 16 mm (0.16 – 0.63")



Microscope Adapter (HDM1)

HDM1 adapter is for holding digital microscopes

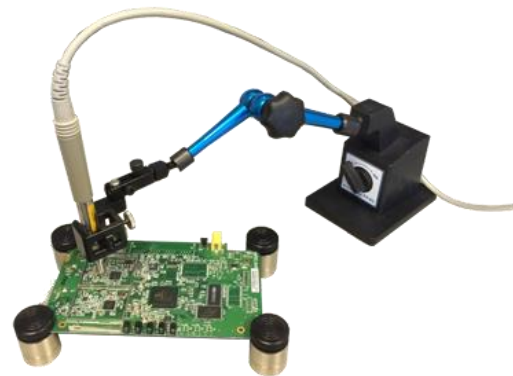
- Size: 68 L x 40 W x 25 mm H (2.7 x 1.6 x 1")
- Diameter adjustable: 31.5 – 32.5 mm (1.24 – 1.28")

APPLICATIONS

The long-reach arm and flexible joint make the Flex Positioner FP40 ideal for holding digital microscopes. Unlike other USB microscope holders that require multiple adjustments to lock the microscope into position, FP40 can be quickly positioned in a wide variety of configurations by tightening a thumb knob. With HDM1 adapter specifically designed for Dino-Lite microscopes and small lockable magnetic base, FP40 ensures engineers can place the microscope close to DUT to facilitate accurate probing.



FP40-HDM1 holding a Dino-Lite USB microscope



FP40-UA16 holding a large RF Probe

PART NUMBERS	DESCRIPTION
FP40-UA16	Articulated-arm positioner with XYZ stage, and universal adapter
FP40-HDM1	Articulated-arm positioner with XYZ stage, and HDM1 microscope adapter

ACCESSORIES	DIGITAL MICROSCOPE
AF4515ZTL	Dino-Lite Edge 1.3MP 10x-140x, LWD, polarizer, AMR
AF7515MZTL	Dino-Lite Edge 5MP 10x-140x, LWD, metal housing, polarizer, AMR
AF7915MZTL	Dino-Lite Edge 5MP 10x-140x, LWD, metal housing, polarizer, AMR, EDOF, DPQ

FLEX POSITIONER FAMILY

Flex positioner family includes FP160MS, FP160, FP80, and FP40 manipulators for a wide range of applications. The following is a brief summary of their specifications and applications.

Product	Articulated Arm	Θ Control	Position Control	Base	Dimensions Lmax x W x Hmax	Weight	Applications
FP160MS	210 mm (8.3")	$\pm 7.5^\circ$	XYZ	Magnetic Switch	320 x 68 x 250 mm (12.5 x 2.7 x 9.8")	0.9 kg/2 lb. Body 0.8 kg/1.8 lb. Plate	Digital Microscopes, Oscilloscope Probes Work with all PacketMicro fixtures
FP160	210 mm (8.3")	$\pm 7.5^\circ$	XYZ	Metal Base	320 x 68 x 278 mm (12.5 x 2.7 x 10.9")	2.8 kg/6.2 lb. All	Oscilloscope Probes, Digital Microscopes Standalone operation
FP80	260 mm (10.2")	$\pm 7.5^\circ$ (Z-Axis)	XY	Magnetic Switch	360 x 68 x 380 mm (14.2 x 2.7 x 15")	1.6 kg/3.5 lb. Body 0.8 kg/1.8 lb. Plate	Oscilloscope Probes, Digital Microscopes Work with some fixtures
FP40	260 mm (10.2")	$\pm 7.5^\circ$ (Z-Axis)	No	Magnetic Switch	350 x 60 x 380 mm (13.8 x 2.4 x 15")	1.5 kg/3.3 lb. Body 0.8 kg/1.8 lb. Plate	Digital Microscopes, Oscilloscope Probes Work with some fixtures