



FK50

Spring force gauge up to 50N

The Spring Force Gauge allows force measurement at all types of spring contact probes up to 50 N.

This instrument allows in a very simple way to verify, if a probe is still intact and to determine the spring force of the probe. The measuring results are displayed at the instrument and the display can be electrically turned by 180° if needed, e.g. for overhead applications. For the measurement just put the measuring sleeve over the probe and push it to the mounting plate.

The sleeves depth can be adjusted according to the projection height of the probe. Adjustable measuring sleeves are available with three different diameters.

Technical specifications

Minimum force	3g / 0,10oz / 0,03N
Resolution	1g / 0,03oz / 0,01N
Measuring accuracy	+/- 0,5% at 25°C
Data output	via RS 232 (order code 2111810)
Power supply	6 x 1,5V AA (UM-3 batteries) (Batteries non included in delivery)

Included in delivery

1x Spring Force Gauge with receptacle for measuring sleeve
1x Measuring sleeve Ø 5,0mm
1x Calibration certificate
1x Carrying case

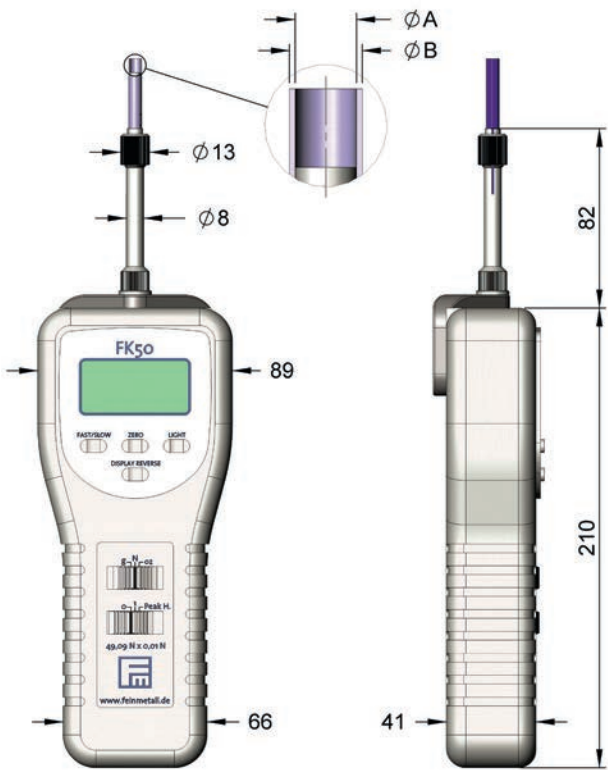
Accessories

1041981	MS300	Measuring sleeve Ø 3 mm
1041978	MS400	Measuring sleeve Ø 4 mm
1041979	MS500	Measuring sleeve Ø 5 mm
1003566	2111810	Data cable RS232

Order code	Product name
1147834	FK50-SET-001

Series drawing

All measurements are in mm.



Operating manual available on request. Further rigid measuring sleeves with different diameters and fixed projection height are available on the homepage.

Example for adjustment at measuring sleeve

	Projection height of probe (e.g. F732)	=	10.5 mm
	Nominal travel	=	4.0 mm
	Projection height - Nominal travel	=	10.5 mm - 4.0 mm
	Value of height to fix	=	6.5 mm