

FMI-B10 Digital Force Gauge



Features

- Up to 150 hours battery operation time >> with rechargeable lipo battery
- Outdoor use >> compact splash-proof housings for devices over 500 N
- Overload protection up to 500 % >> with rugged aluminium die cast housing
- Optimized for hand-operated measurements >> handles exactly in the measurement axis (optional)

Technical data

		Order No.:			
		FMI-B10B5	FMI-B10C1	FMI-B10C5	FMI-B10K1
Capacity F(nom)*	N	50	100	500	1000
Resolution**	N	0,05	0,1	0,5	1
Tolerance**	% F(nom)	0,3			
Temperature coefficient*	%/K	0,02			
Reproducibility*	% F	0,06			
Repeatability*	% F	0,06			
Hysteresis*	% F	0,15			
Creeping (5min)*	% F	0,15			
Measurement error**	% F(nom)	0,5			
Measuring principle		Bidirectional force sensor with strain gauges and high-speed ?-processor			
Nominal deflection*	mm	0,13	0,25	0,17	0,34
Measuring shaft		M6			

Version: 19.11.2019

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Max. operating force*	% F(nom)	120
Breaking force*	% F(nom)	500
Display	Type	5-digit LCD 12mm Autoreverse
	Refresh time (ms)	1000
Operation modes	Regular	N kg lb
	Peak (real-time)	-
	Limits + Statistics	-
Interface	USB	-
	Hirose	-
	Sensor	-
Power supply	Type	internal LiPo battery operation time 150h
Temperature (operation)*	°C	0 ... 40
Protection code (EN 60529)	Cable not plugged	Housing
Housing	Material	A-Druckguss
	LxWxH (mm)	150 x 82 x 29
	Weight (kg)	0,48
	Mounting	2xM4, 2xM5, adjusting holes D5(H7)

*) according VDI/VDE/DKD 2638 at 0,2 ...1 x F(nom) **) according DIN 1319-1

Scope of Supply

Force gauge with hook, flat head, notched head, conical head, VAC universal charger with EC-, UK- and US-wall plug connector, quickstart operation manual, protection case.

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