



Features

- Always ready for work >> by independent photovoltaic energy supply
- 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-S10B5	FMI-S10C1	FMI-S10C5	FMI-S10K1
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	125			
Reproducibility*	% F	0,06			
Repeatability*	% F	0,06			
Hysteresis*	% 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			
Max. operating force*	% F(nom)	120			

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Breaking force*	% F(nom)	500	
Display	Type	5-digit 12mm Autoreverse	
	Update (ms)	100	
Operation modes	Regular	N kg lb	
	Peak (real-time)	-	
	Limits + Statistik	-	
Interface	USB	-	
	Hirose	-	
	Sensor	-	
Power supply	Type	Solar cell USB (max. 900 mA)	
	Connection	USB (socket)	
Temperature (operation)*	°C	0 ...40	
Protection code (EN 60529)	Cable not plugged	IP40	IP65
Housing	Material	Aluminium die cast	
	LxWxH (mm)	15 x 82 x 29	
	Weight (kg)	0,480	
	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, quickstart operation manual, protection case.

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