



Features

- Peak measurement with 0,2 % accuracy and high measurement rate allows to detect tensile and break forces precisely
- Always ready for work >> by independent photovoltaic energy supply
- Autoreverse display enables use as handheld device or test stand mounting
- Overload protection up to 500 % >> with rugged aluminium die cast housing

Technical data

		Order No.:					
		FMI-S20B5	FMI-S20C1	FMI-S20C5	FMI-S20K1	FMI-S20K2	FMI-S20K5
Capacity F(nom)*	N	50	100	500	1000	2500	5000
Resolution**	N	0,01	0,02	0,1	0,2	0,5	1
Temperature coefficient*	% / K	0,02					
Reproducibility*	% F	0,04					
Repeatability*	% F	0,04					
Hysteresis*	% F	0,1					
Creeping (5min)*	% F	0,15					
Measuring principle		Bidirectional force sensor with strain gauges and high-speed ?-processor					
Nominal deflection*	mm	0,13	0,25	0,17	0,34	0,13	0,26
Measuring shaft		M6				M10	
Max. operating force*	% F(nom)	120					
Breaking force*	% F(nom)	500			200		

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PPT GmbH & Co. KG | Basler Straße 65 | 79100 Freiburg | Germany

Tel: 0761 47979 3 | e-mail: info@alluris.de

www.alluris.de/en



Display	Type	5-digit 12mm Autoreverse	
	Refresh time (ms)	10 ... 1000	
Operation modes	Regular	N kg lb	
	Peak (real-time)	Display of peak value Peak value of pull- or push force (drag indicator function)	
	Limits + Statistik	-	
Interface	USB	without	
	Hirose	without	
	Sensor	without	
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	Hardened steel
	LxWxH (mm)	150 x 82 x 29	
	Weight (kg)	0,480	1,150
	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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