



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
Tolerance**	% F(nom)	0,2					
Temperature coefficient*	% / K	0,02					
Reproducibility*	% F	0,04					
Repeatability*	% F	0,04					
Hysteresis*	% F	0,1					
Creeping (5min)*	% F	0,15					
Measurement error**	% F(nom)	0,3					
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	

Version: 19.11.2019

All data are valid at the time of generating this document. Technical changes or any other changes of the product may become effective at any time and without prior notice. All pictures and drawings are reference only. © Alluris GmbH & Co. KG, Alluris® is a registered trade mark of Alluris GmbH & Co. KG.

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

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

www.alluris.de/en

Max. operating force*	% F(nom)	120	
Breaking force*	% F(nom)	500	200
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	-	
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.

Version: 19.11.2019

All data are valid at the time of generating this document. Technical changes or any other changes of the product may become effective at any time and without prior notice. All pictures and drawings are reference only. © Alluris GmbH & Co. KG, Alluris® is a registered trade mark of Alluris GmbH & Co. KG.

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

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

www.alluris.de/en