



Features

- Peak measurement with 0,2 % accuracy and high measurement rate allows to detect tensile and break forces precisely
- Up to 150 hours battery operation time with rechargeable LiPo battery
- 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-B20B5	FMI-B20C1	FMI-B20C2	FMI-B20C5	FMI-B20K1	FMI-B20K2	FMI-B20K5	
Capacity F(nom) *	N	50	100	250	500	1000	2500	5000	
Resolution **	N	0,01	0,02	0,05	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							
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	0,23	0,17	0,34	0,13	0,26	
Measuring shaft		M6					M10		
Max. operating force*	% F(nom)	120							

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FMI-B20

Digital Force Gauge - HR

Breaking force*	% F(nom)	500	200
Display	Type	5-digit LCD 12mm Autoreverse	
	Update (msec)	100 ... 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	internal LiPo battery operation time 150h	
	Charging	USB (Buchse)	
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	
	Gewicht (g)	480	1.150
	Mounting	2xM4, 2xM5, adjusting holes D5(H7)	

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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