



### 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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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	-	
	Hirose	-	
	Sensor	-	
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	
	Weight (kg)	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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