



Features

- Data logging and USB interface » with memory function and limit value monitoring
- Peak measurement with 0,05 % accuracy » a high measurement rate allows to detect tensile and break forces precisely
- Data logger » logs 1000 measured values or 50 measuring series
- Monitoring through display » LED indication and signal output for upper and lower limit value

Technical data

		Order No.:						
		FMI-250A2	FMI-250A5	FMI-250B2	FMI-250B5	FMI-250C2	FMI-250C5	
Capacity F(nom)*	N	2	5	20	50	200	500	
Resolution	N	0,001		0,01		0,1		
Accuracy	% F(nom)	0,05						
Reproducibility*	% F	0,01						
Repeatability*	% F	0,01						
Hysteresis*	% F	0,025						
Creeping (5min)*	% F	0,05						
Measuring principle		Bidirektionaler Kraftsensor mit Dehnungsmessstreifen						
Nominal deflection*	mm	0,17	0,35	0,17	0,35	0,17	0,35	
Measuring shaft		M4			M6			
Display	Type	LCD 4-digit 12 mm						
	Refresh time (ms)	50 ... 1000						

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FMI-250

High Precision Force Gauge

Operation modes	Regular	N kgf lbf
	Peak (real-time)	Display of peak value Peak value of pull- or push force (drag indicator function)
	Limits + Statistik	2 separately adjustable limits Single value memory and continuous measured value memory
Interface	USB	USB 2.0 data communication
	Hirose	Limit / overload signals, digital I/Os (2 outputs)
	Digimatic	yes
Power supply	Type	interner NiMh-Akku Batteriestandzeit 12h
	Charging	Mains / Charger 85 ... 240VDC (50 ... 60Hz)
Temperature (operation)*	°C	0 ... 40
Protection code (EN 60529)		IP00
Housing	Material	AL-Druckguss
	LxWxH (mm)	147 x 75 x 38
	Weight (kg)	0,450
	Mounting	4 x M4x6

*) according VDI/VDE/DKD 2638 at 0,2 ... 1 x F(nom) **) according DIN 1319-1

Scope of Supply

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