

## Digital Force Gauge with Interface - Technical Specification

### FMI-400

#### Order Information

1000N ... FMI-400C10	Instrument with integrated rechargeable NiCd-battery, 230VAC adaptor/charger, attachable accessories (flat, notched and cone head, hook, chisel, extension rod, hanger, side handle), serial cable I/O 9-P D-Sub (approx. 1.5m), operation manual and carrying case.
2500N ... FMI-400C25	
FMI-958	Clamping jaw 2,5 kN
FMI-956	Chuck 1kN
FMI-957	Spring loaded jaw 2,5 kN

Specification		FMI-400C10	FMI-400C25
Measuring Range		0...1000 N	0...2500 N
Resolution		1 N	
Measuring Principle		bi-directional strain gauge	
Operation Mode	standard peak	indicates actual value in N   kgf   Lb highest value in N   kgf   Lb	
Accuracy	@ 23°C (F.S.) Tk (absolute) Tk (relative)	+/- 0,2% (+/- ½ digit) automatically at power on +/- 0,02% (°K)	
Overload	max. admitted	200 % (F.S.)	
Display	type update time (Standard) update time (Peak)	LCD, 4-digit, 12mm high 1000msec   500msec   333msec   200msec   100msec   50msec (selectable) 1 msec	
Memory		peak value	
Power Supply	type	integrated NiCd-battery   AC-adaptor/-charger 230VAC (50Hz)	
Interfaces	RS232C analog output overload protection	baud rate 2,4 kB   4,8 kB   9,6 kB   19,2 kB (selectable) +/- 1VDC (12b-bit D/A-converter) NPN transistor	
Temperature Range	operation	0...40° C	
Weight		450g	
Dimension	LxWxH	214 x 82 x 55 mm	
Housing Material		aluminium dye cast	
Test Stand Fixing		4 x M4, length 6mm	