

High Precision Force Gauge - Technical Specification

FMI-210

Order Information

Instrument with integrated rechargeable NiCd battery, AC adapter/charger, screw-on accessories (flat, notched and cone head, hook, chisel, extension rod, hanger), connection cable for RS232 communication with D-Sub socket for serial I/O, Fmi_Connect add-in software for MS Excel, calibration certificate, operation manual, carrying case with foam insert.

0...2,000N	FMI-210A2	0...50,00N	FMI-210B5
0...5,000N	FMI-210A5	0...200,0N	FMI-210C2
0...20,000N	FMI-210B2	0...500,0N	FMI-210C5

Specification		FMI-210A2	FMI-210A5	FMI-210B2	FMI-210B5	FMI-210C2	FMI-210C5
Measuring Range		0...2 N	0...5 N	0...20 N	0...50N	0...200 N	0...500 N
Resolution		0,001 N		0,01 N		0,1 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)	+/- 0,5% (+/- 1 digit) automatically at power on +/- 0,02% (°K)					
Overload	max. admissible	150 % (F.S.) error signal at 120%					
Display	type update time (Standard) update time (Peak)	LCD, 4-digit, 12mm high 1000msec 500msec 333msec 200msec 100msec 50msec (selectable) 1 msec					
Memory		Peak + Peak -					
Power Supply	type	integrated NiCd-battery (up to 8h) AC-adaptor/-charger 100...240VDC					
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	147 x 35 x 78 mm					
Housing Material		aluminium dye cast					
Test Stand Fixing		4 x M4, length 6mm					