

Digital Force Gauge

QUANTUM

Features

- Durable metal case
- Automatic reversible display
- Touch key for minimized disturbance
- Mechanical overload protection
- Curve or digital display modes
- Calibration certificate Included
- Charger with US/EUR/UK Plugs selectable
- USB or RS232 communication interface, easy to communicate with PLC
- Accuracy: $\pm 0.2\%$ FS
- Sampling Rate: 2KHz



Specification Data

Accuracy	$\pm 0.2\%$ F.S.
Selectable Units	N, mN, gf, kgf, ozf and lbf
Display	160 x 128 dot matrix LCD(2.8 inch) with LED Backlight
Overload Capacity	150% of F.S. (LCD blinks beyond 110%)
Overload Protection	Overload Protection Mechanism to prevent to be damaged
Measurement Mode	Track, Peak, Auto-Peak, First Peak
Display Mode	Curve/ digital
Data Sampling Rate	2KHz
Display Update Rate	10 times/second
Memory	1000 data
Set Point	Programmable high and low limits
Battery Indicator	Display flashed battery icon when battery is low
Power	3.6 VDC 800 mAh Ni-Mh rechargeable batteries
Battery Life	Approx. 14 hours per charge
Charger / Adapter	Universal USB / BM charger, input: 110~240 VAC
Temperature Effects	$<0.03\%$ FS per $^{\circ}\text{C}$
Communication	USB or RS-232
Software	Free software for USB communication
Outputs	RS-232, "Within" set point output, "Under or over" set point output
Operating Environment	Temperature: -10 to $+50^{\circ}\text{C}$ Relative Humidity: 20 to 80%
Storage Environment	Temperature: -20 to $+50^{\circ}\text{C}$ Relative Humidity: 5 to 90%
Dimension	160x73x34mm
Weight	0.7 kg (1.5 lb)
Accessories	AC adapter/charger, USB cable, 6 attachments: hook, flat tip, conical tip, chisel tip, notched tip, extension shaft

Models	Capacity/Resolution					
	N	kgf	lbf	Ozf	gf	mN
QF-5	5/0.0005	-	1.1/0.0001	18/0.005	500/0.05	5000/0.5
QF-10	10/0.001	1/0.0001	2.2/0.0005	35/0.01	1000/0.1	10000/1
QF-20	20/0.005	2/0.0005	4.4/0.001	70/0.01	2000/0.5	20000/5
QF-50	50/0.005	5/0.0005	11/0.005	180/0.05	5000/0.5	50000/5
QF-100	100/0.01	10/0.001	22/0.005	350/0.1	10000/1	-
QF-200	200/0.05	20/0.005	44/0.01	700/0.1	20000/5	-
QF-500	500/0.05	50/0.005	110/0.01	1800/0.5	-	-
QF-1000	1000/0.1	100/0.001	220/0.05	3500/1	-	-

Manual Test Stand

Features

- Easy to Use, Rugged Construction Precision
- Manual Handwheel Capacities Up to 125 kg
(250 lbf, 1200 N) Stand travels 3 mm for every
- turn Maintenance-free Design
- Weight: 7Kg

Dimensions

