

When fast, continuous data sampling and generous data storage are key to your test situation, the M7 professional digital force gauge is the unit of choice. The M7 gauge can do everything the M5 gauge can do, plus more. Its blazing fast sampling rate of 14,000 Hz and internal memory for 5,000 test readings give it a distinct advantage in rapid, dynamic force testing settings. For demanding compression and tension measurements up to 500 lbF (2,500 N), this gauge boasts an accuracy of $\pm 0.1\%$. And it is available in eleven different models to suit the specific load range of your measurements. Compatible with all Group Four test stands, the M7 is a versatile tool in the field and test laboratory. Easy to use and read, the gauge quickly connects to any PC for download of stored data. Operates in peak or averaging mode over five different programmable units of measure. Attach an optional foot switch for hands-free operation, and the M7 is even more valuable in challenging test situations.



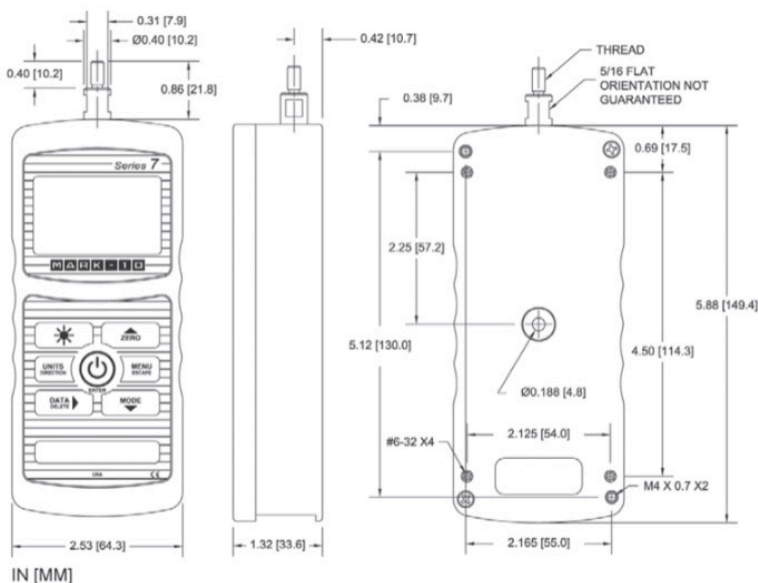
FEATURES

- High speed sampling rate (14,000Hz)
- Continuous data capture and storage of up to 5,000 data points
- Data downloadable to a PC
- Automatic output/ data storage/ zeroing after test completion
- External trigger port for remote or foot switch starting and stopping
- Large, easy to read LCD screen
- Five different use programmable units of measure
- Optional foot switch allows hands free triggering

APPLICATIONS

- Automotive Industry
- Manufacturing
- Assembly
- Quality control

DIMENSIONS



SPECIFICATIONS

Model	M7
Load Range	Up to 500lbF (2,500N) in eleven different models/range
Accuracy	±0.1% of full scale
Sampling Rate	14,000 Hz (pulse response of 1/7,000 second minimum)
Measurement Units	5 different programmable measurement units
Power	AC or rechargeable battery
Battery Life	7-24 hours continuous use (depends on use of back lighting)
Output	USB/RS-232, Mitutoyo (Digimatic), Analog (±1 VDC, ±0.25% of full scale), 3 general purpose open drain outputs, 3 open drain set points
Safe Overload	150% of full scale
Configurable Settings	Many different user programmable settings
Weight	1.0-1.2lb (depending on model)
Included Item	Carrying case with chisel, cone, V-groove, hook, flat, extension rod, AC adapter, battery, USB cable, software, certificate of calibration, user manual
Warranty	3 years

PART NUMBER

Model	lbF	ozF	kgF	gG	N	kN	mN
M7-012	0.12	2		50	0.5		500
M7-025	0.25	4		100	1		1000
M7-05	0.5	8		250	2.5		2500
M7-2	2	32	1	1000	10		
M7-5	5	80	2.5	2500	25		
M7-10	10	160	5	5000	50		
M7-20	20	320	10	10000	100		
M7-50	50	800	25	25000	250		
M7-100	100	1600	50	50000	500		
M7-200	200	3200	100		1000	1	
M7-500	500	8000	250		2500	2.5	