











FB THOR

Precision Series

The FB THOR offers affordability and scalability for everyday force measurements. Loaded with essential features and functions which make the FB force gauge ideal for virtually any tension and compression application.



Features and Functions

 Built-in USB Port	 Removable MicroSD Card	IOIO Built-in RS232 Interface
 6 Modes and Application	 Onscreen STATS and Analytics	 2.75" Vivid LCD Display with Backlight
 Intuitive Sealed Keypad	 Auto-Rotate Display	 Onscreen Graphing and Histogram

Modes and Applications

- Peak Mode
- Multi-Peak Mode
- Fill Meter
- Standard Mode
- Pass / Fail
- Peak Sensitivity

Auto Rotate LCD

Large backlit LCD automatically adjusts to the position of the force gauge. Auto-Rotate eliminates the need to disassemble and reverse the housing.

Ergonomic Rugged Design

Engineered specifically to withstand even the most demanding applications. Not only strong and durable, but also compact and ergonomic. Perfectly balanced to ensure comfort and stability while in your hand.



USB and RS232 Interface

Easy PC connectivity via the USB port, which is standard on all Torbal force gauges.



Removable MicroSD Memory

MicroSD expansion slot increases available memory. All data results and measurements are saved directly to the SD card in a ".txt" format. Stored data can be seamlessly transferred to your PC



In-the-Box

- microSD Card
- Attachments (FB)
- Shaft Extension (FB)
- Rechargeable Batteries
- RS232 Cable
- Load-cell (FBk)
- Swivel Bearing Joints (FBk)



Specification

Model	FB5	FB10	FB20	FB50	FB200	FB500
Capacity	1lbf 0.5kgf 5N	2lbf 1kgf 10N	4lbf 2kgf 20N	10lbf 5kgf 50N	40lbf 20kgf 200N	100lbf 50kgf 500N
Resolution	0.0002lbf 0.1gf 0.001N	0.0005lbf 0.2gf 0.002N	0.001lbf 0.5gf 0.005N	0.002lbf 1gf 0.01N	0.01lbf 5gf 0.05N	0.02lbf 10gf 0.1N
Model	FB1k	FB2k	FB5k	FB10k	FB20k	FB50k
Capacity	200lbf 100kgf 1kN	400lbf 200kgf 2kN	1,000lbf 500kgf 5kN	2,000lbf 1t 10kN	4,000lbf 2t 20kN	10,000lbf 5t 50kN
Resolution	0.05lbf 20gf 0.2N	0.1lbf 50gf 0.5 N	0.2lbf 100gf 1N	0.5lbf 200gf 2N	1lbf 500gf 5N	2lbf 1kgf 10N
Sampling Rate	80Hz					
Accuracy	± 0.2% Full Scale					
Overload	200% Full Scale (Display Limit: 110%)					
Interface	USB (B Type), RS232, microSD (SDHC Class 4)					
Operating Temperature	14°F to 104°F -10 to 40°C Humidity: Up to 80 % Max.					
Measuring Units	N, kgF, lbf, ozF, lb, oz, kg					
Rechargeable Batteries	4 x Ni-MH 2700mAh					
Battery Operating Time	32h (LCD Backlight OFF) 27h (LCD Backlight ON)					
Power Supply	12V, 1.2A					