











# FC ZEUS

## Precision PRO Series

The FC ZEUS is ideal for advanced tension and compression applications which require ultimate speed and precision. Packed with features and functions that increase productivity during force measurement and testing.



## Features and Functions

 <b>Built-in USB Port</b>	 <b>Removable MicroSD Card</b>	<b>IOIO</b> <b>Built-in RS232 Interface</b>
 <b>6 Modes and Application</b>	 <b>Onscreen STATS and Analytics</b>	 <b>1000Hz Data Capture</b>
 <b>Interchangeable External</b>	 <b>2.75" Vivid LCD Display with Backlight</b>	 <b>Intuitive Sealed Keypad</b>
 <b>Auto-Rotate Display</b>	 <b>Onscreen Graphing and Histogram</b>	 <b>Built-in Wireless Data Transmitter</b>
		<b>I/O</b> Input / Output <b>Input Output for External Control</b>

## Modes and Applications

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

## Built-in Wireless Data Transmitter

Equipped with a built-in short distance wireless data transmitter which allows for a cable-free connection to your Windows PC, Laptop, or Tablet.

## 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, RS232, Wireless, & Analog I/O Interface

Easy PC connectivity via USB or Wireless which is standard on all FC force gauges. Built-in analog input-output port for threshold signaling and control of external peripherals.



# 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	FC5	FC10	FC20	FC50	FC200	FC500
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	FC1k	FC2k	FC5k	FC10k	FC20k	FC50k
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	1000Hz					
Accuracy	± 0.1% Full Scale					
Overload	200% Full Scale (Display Limit: 110%)					
Interface	BT Wireless, USB (B Type), RS232, microSD (SDHC Class 4)					
Input / Output Port	YES (THR)					
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	29h (LCD Backlight OFF, BT Wireless OFF)   25h (LCD Backlight ON, BT Wireless OFF)					