

The 7i professional digital force/torque indicator is designed to work with a wide range of remote force and torque sensors. Exclusive Plug & Test™ technology allows all calibration and configuration data to be saved within the sensor's smart connector, not the indicator, allowing for true interchangeability. In addition to the 5i indicator features, the 7i includes high speed continuous data capture and storage, with memory for up to 5,000 readings, at an acquisition rate of up to 14,000 Hz. The 7i also features programmable footswitch sequencing, break detection, and 1st / 2nd peak detection. Coefficient of friction unit of measurement and a user-defined unit of measurement add flexibility for specialized applications. For productivity enhancement, the indicator also features automatic data output, data storage, and zeroing functions upon the completion of break detection, averaging, external trigger, and 1st / 2nd peak detection. The included MESUR™ Lite data acquisition software tabulates continuous or single point data. Data saved in the indicator's memory can also be downloaded in bulk. One-click export to Excel easily allows for further data manipulation.



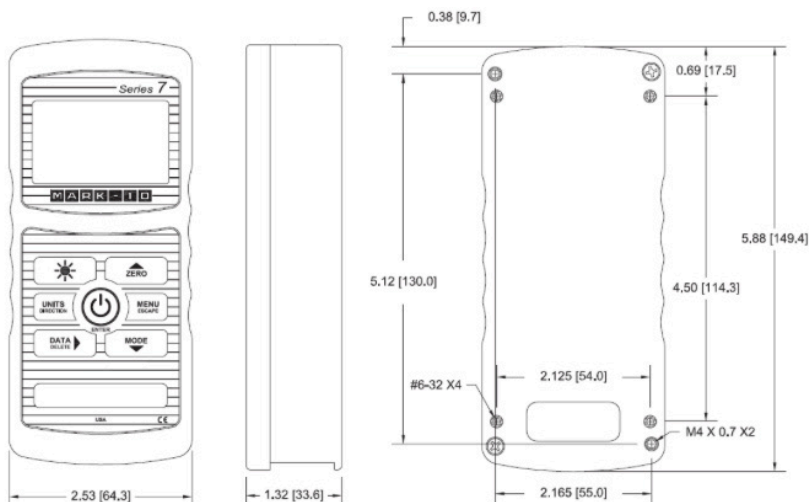
## FEATURES

- High-speed sampling rate (14,000 Hz)
- 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
- Sample break detection with auto functions
- External trigger mode for remote
- Footswitch command string
- 1st / 2nd peak detection
- Large, easy-to-read LCD screen
- Six different units of Measurement and one user defined unit
- Averaging mode
- Sensor Password Protection

## APPLICATIONS

- Automotive industry
- Manufacturing
- Assembly
- Quality control

## DIMENSIONS



## SPECIFICATIONS

<b>Model</b>	<b>7i</b>
Accuracy	±0.1% of full scale + sensor
Sampling Rate	14000 Hz
Measurement Units	5 different measurement units and 1 user defined unit
Power	AC or rechargeable battery
Battery Life	7-12 hour continuous use
Outputs	USB/RS-232 Mitutoyo (Digimatic) Analog (±1 VDC, ±0.2% of full scale at capacity) 3 general purpose open drain outputs, one input 3 open drain set points
Configurable settings	Digital filters, outputs, automatic output (via USB/RS232), automatic shut off, default settings, averaging modes, external trigger, passwords, key tones, audio alarms, back light, calibration
Weight	0.7lb (0.33 kg)
Included Item	Carrying case, universal voltage AC adapter, battery, quick-start guide, USB cable, software, certificate of conformance

## PART NUMBER

<b>Model</b>	<b>Description</b>
M7I	Professional Force/Torque Indicator, 110V
M7IE	Professional Force/Torque Indicator, 220V, European Plug
M7IU	Professional Force/Torque Indicator, 220V, UK Plug
M7IA	Professional Force/Torque Indicator, 220V, Australian Plug
AC1008	Tabletop mounting kit for 3i/5i/7i

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