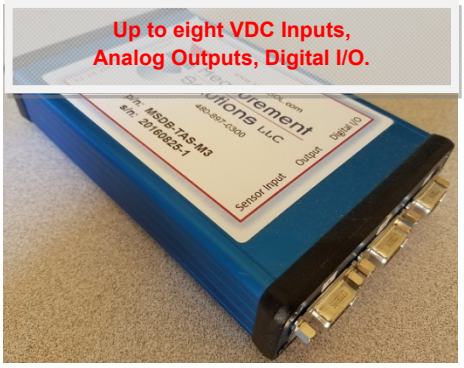
Measurement Solutions LLC
6042 E. Vermillion Circle Mesa, Arizona 85215
480-897-0300 INFO@MEASOL.com
http://www.MEASOL.com

SENSORS • TRANSDUCERS • CONTROL SYSTEMS • DATA ACQUISITION • SIGNAL CONDITIONING • CALIBRATION EQUIPMENT

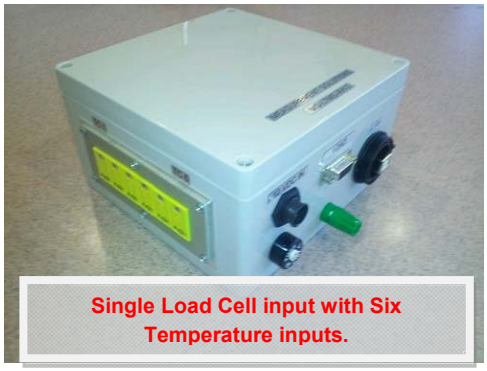
Measurement Solutions "DaqBox" Systems

Cost effective customization

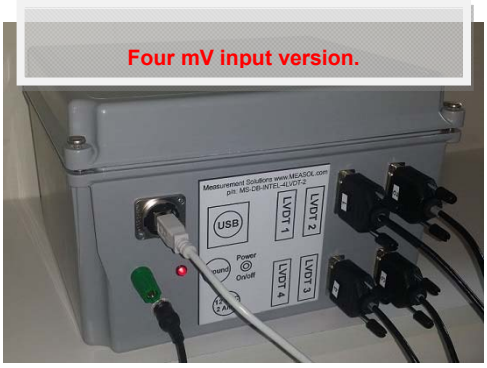
Torque / Angle / Speed with optional Pressure and Temperature inputs.



Up to eight VDC Inputs, Analog Outputs, Digital I/O.



Single Load Cell input with Six Temperature inputs.



Four mV input version.

Specifications:

USB Computer interface
16-bit Resolution
High Speed Measurements (up to 50,000 Samples per second)
Accuracy (max. combined error): +/-0.05% FS (not including sensor errors)

Software:

Compatible with Windows 10 / 8 / 7 / Vista / XP, 32 / 64 bit systems
'QuickCal' Sensor Calibration; Software activated Shunt Cal
Variety of Displays (Graphs, Charts, Meters, Indicators)
Statistics, Math Formulas, Signal Analysis, Control Functions
Digital Signal Filtering; Sensor Linearization; Eng. Unit Conversion
Save Data to disk as ASCII or CSV formats
Highly versatile, customized software at affordable prices.

Measurement Solutions LLC
6042 E. Vermillion Circle Mesa, Arizona 85215
480-897-0300 INFO@MEASOL.com
http://www.MEASOL.com
SENSORS • TRANSDUCERS • CONTROL SYSTEMS • DATA ACQUISITION • SIGNAL CONDITIONING • CALIBRATION EQUIPMENT

Versions & Options:

1) **"Torque / Angle / Speed"** Version details
Single or Dual Range Torque Sensors, +/- 5 VDC, or, +/- 10
Speed / Angle Input: Single or Dual TTL inputs (32-bit, 20 MHz max.)
Housing dimensions: 6.5" x 6.5" x 2.5"
Operates on 24 VDC (AC Power Adapter included)
Software displays Torque, Speed, Angle, and, Power in real-time
Sensor Wiring Diagram: 9-pin Connector (DSub):

1: +24 VDC Excitation	2: Excitation Ground
3: Signal 1 Input High	4: Signal 2 Input High
5: Signal 1 & 2 Input Low	6: Calibration Control
7: Angle A Input	8: Angle B Input
9: Cable Shield	

2) **"mV Four Channel"** Version Details
FOUR mV input Channels (10-50 mV Full Scale)
Housing dimensions: 10" x 8" x 7"
Operates on 24 VDC (AC Power Adapter included)
Sensor Wiring Diagram: Four 9-pin Connectors (DSub):

1: +8 VDC Excitation	2: n/c
3: Signal 1 Input High	4: Signal 1 Input Low
5: n/c	6: Excitation Ground
7: n/c	8: n/c
9: Cable Shield	

3) **"Combo Eight Channel"** Version Details
Up to FOUR mV input Channels (10-50 mV Full Scale), and/or, up to EIGHT VDC inputs
Housing dimensions: 10" x 8" x 7"
Operates on 24 VDC (AC Power Adapter included)
Sensor Wiring Diagram: Eight 9-pin Connectors (DSub):

1: +8 VDC Excitation	2: n/c
3: Signal 1 Input High	4: Signal 1 Input Low
5: n/c	6: Excitation Ground
7: n/c	8: n/c
9: Cable Shield	

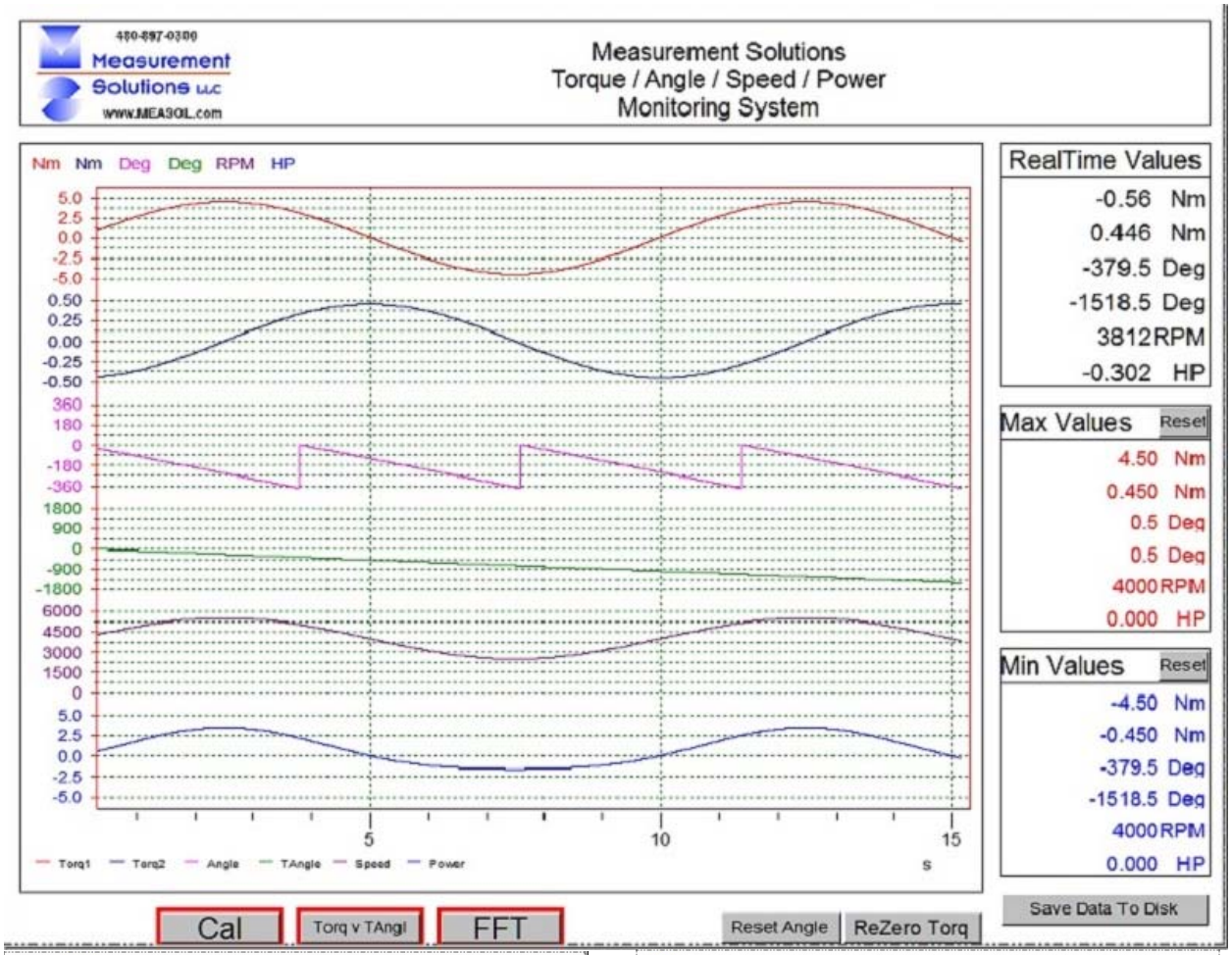
4) **"RS-485 Input"** Version Details:
Receives single RS-485 data stream from sensors (USB connection to computer)
Housing dimensions: 5" x 3" x 2"
Operates on 24 VDC (AC Power Adapter included)
Sensor Wiring Diagram: 9-pin Connector (DSub):

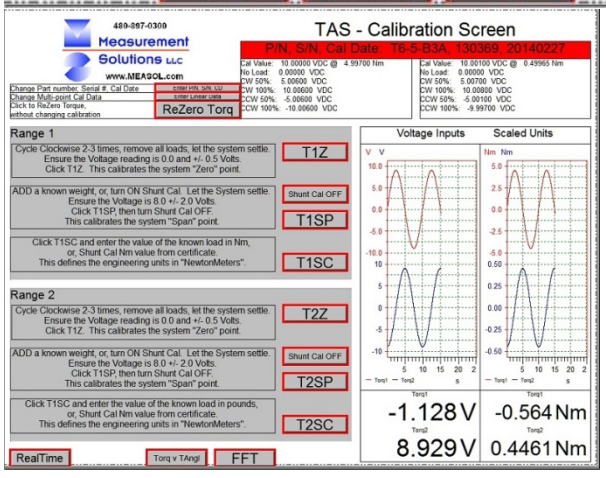
1: +24 VDC Excitation	2: n/c
3: n/c	4: n/c
5: n/c	6: Excitation Ground
7: RS-485 A	8: RS-485 B
9: Cable Shield	

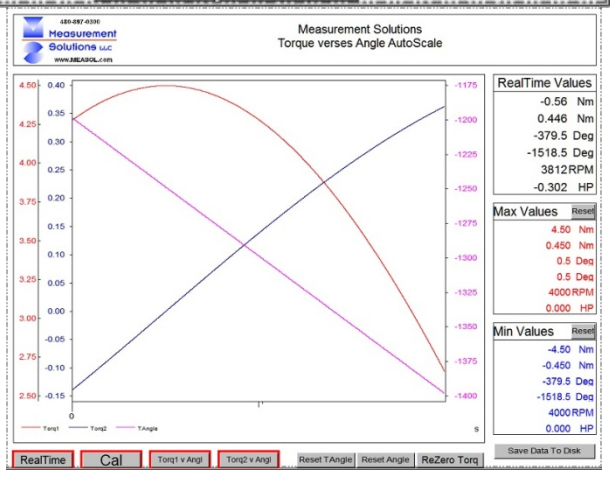
5) **"Custom"** Version Details:
Any number of channels, any type of sensor input, any type of connectors

Measurement Solutions LLC
6042 E. Vermillion Circle Mesa, Arizona 85215
480-897-0300 INFO@MEASOL.com
http://www.MEASOL.com
SENSORS • TRANSDUCERS • CONTROL SYSTEMS • DATA ACQUISITION • SIGNAL CONDITIONING • CALIBRATION EQUIPMENT

Software Screen Shots for “Torque / Angle / Speed” version:







Click here to see YouTube working demo: