

Gecko

Liquid Transfer Standard Calibration System

Description

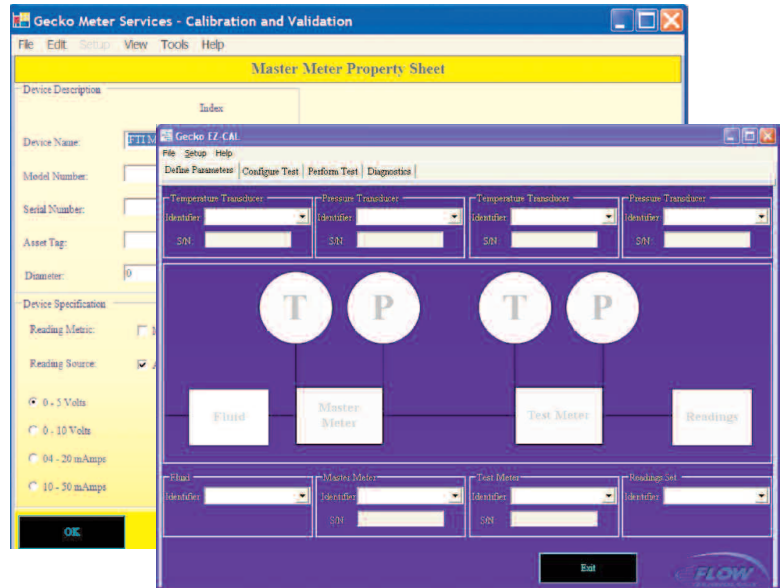
Flow Technology's Gecko transfer standard calibration system provides a cost effective solution for verification and calibration of **liquid** flow meters in the field.

The portable system is truly universal, it can be used to verify or calibrate virtually any flow meter including, but not limited to; Coriolis, Vortex, Electromagnetic, Ultrasonic, Turbine and Positive Displacement flow meters.

The Gecko system consists of 2 major components:

Gecko EZ-LINK. A portable interface box that accepts flow, temperature and pressure (analog or frequency) inputs from the transfer standard flow meter (option) and the meter under test. And,

Gecko EZ-CAL. A windows based *intuitive* calibration software package that enables the user to setup and run verification and calibration profiles; store and print user defined calibration certificates.



Gecko EZ-CAL - Windows Based Software

FEATURES

- Calibration or verification of all types of flow meters, including: Electromagnetic, Coriolis, Positive Displacement, Turbine, Ultrasonic & Vortex
- Portable, robust and economical solution
- Gecko contributes negligible incremental uncertainty to the overall system accuracy
- System accuracy is fundamentally driven by the accuracy of the master meter, temperature and pressure inputs
- USB interface from Gecko EZ-LINK to a standard PC
- Intuitive and easy to use menu driven Gecko EZ-CAL software
- Gecko EZ-CAL presents comprehensive pre-configured reports in tabular or graphical formats
- Gecko EZ-CAL produces user defined calibration certificates
- Data exportable to standard spreadsheet software for custom formats



Gecko - Transfer Standard Calibration System

Gecko EZ-LINK

Gecko EZ-LINK effectively handles all the required inputs and outputs of the system:

Flow Meter Inputs (2 ch)

Frequency	0.5-10K Hz	(0 - 5 V P-P)
Signal Conditioner	0.5-4K Hz	
Analog Voltage	0-5 Volts	
Analog Voltage	0-10 Volts	
Analog Current	4-20 mA	
Analog Current	10-50 mA	

Channel Accuracy

+/- 0.005% of Reading
+/- 0.2 Hz @4K
+/- 0.005 V
+/- 0.005 V
+/-0.02 mA
+/-0.02 mA

Pressure Input (1ch)

Analog Current(std.)	4-20 mA
Analog Voltage	0-5 Volts

Channel Accuracy

+/- 0.02 mA
+/- 0.005 V

Temperature Input (1ch)

3 Wire RTD(std.)	
Analog Current	4-20 mA
Analog Voltage	0-5 Volts

Channel Accuracy

+/- 1°C
+/- 0.02 mA
+/- 0.005 V

Power 115 VAC or 220 VAC

Temperature Range

Operating	50 to 104°F	(10 to 40°C)
Non-operating	32 to 140°F	(0 to 60°C)

Physical Size

Suitcase:

Width	18.0in. 45.7cm	Depth	14.5in. 36.8cm
Height	7.0in. 17.8cm	Weight	16.0lbs 7.3kg

Cables

12' cables are supplied for the master meter, unit under test, temperature and pressure sensors.

Note: Stated accuracy is at calibrated conditions, nominally 22°C (72°F).

Gecko EZ-CAL

Gecko EZ-CAL software leverages Flow Technology's 45 years of experience in designing primary and secondary calibrators for liquid applications. The windows based software is both intuitive to use and offers flexibility in terms of calibration profiles that can be run. User defined calibration certificates can easily be created.

System Requirements

Intel Core 2 Duo Processor, 80GB Hard Drive, 1024 MB RAM, one free USB port, Windows XP Professional, Office 2003 or later, and printer (optional for hardcopy report output).

Calibration & Verification

- Store an infinite number of calibration/verification files
- Create new calibration factors or meter offset factors

Data Output

- Print pre-defined calibration reports/certificates
- Export data to spreadsheet for customized reports

E Z - L I N K - S - -

Enclosure _____
*S = Suitcase

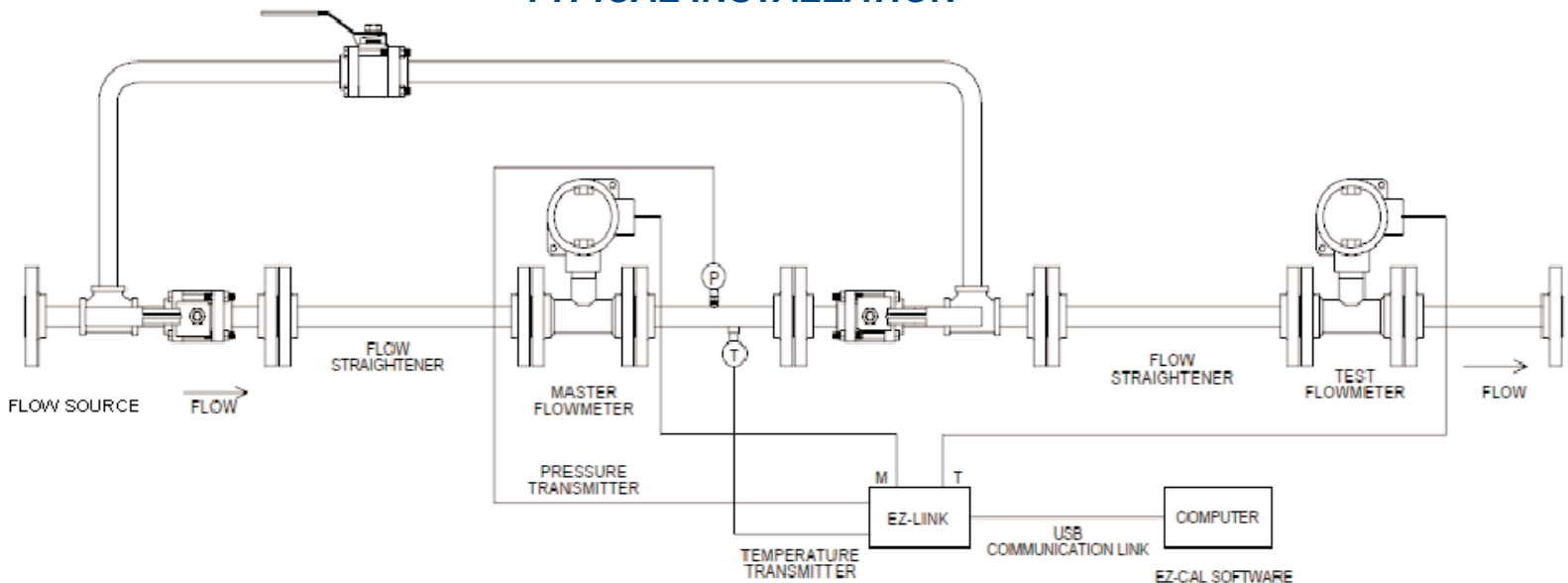
Temperature Input _____
*R = RTD
4 = 4-20mA
5 = 0-5VDC

Pressure Input _____
*4 = 4-20mA
5 = 0-5VDC

* = Standard

Equipment Sold Separately:
Computer, Master Flow Meters,
Flow Straightener Sets,
Temperature/Pressure Sensors

TYPICAL INSTALLATION



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