Humidity Calibrations

From wall-mount thermohygrometers to multiprobe handheld instruments, InnoCal offers humidity calibrations for virtually any brand or style of meter from 0 to 95% relative humidity (RH). Our highly trained technicians perform NIST-traceable accredited* humidity calibrations using Condensation Chilled Mirror Hygrometer technology in a dedicated environmental chamber.

NIST-traceable report for:	Catalog number	Price
Thermohygrometer, handheld or benchtop. Three humidity test points (30, 60, and 80% RH) and one temperature test point at ambient (22 to 25°C)	GH-17030-20	
Data logger, humidity/temperature	GH-17030-24	
Recorder, humidity/temperature	GH-17030-26	
Digital/dial indicator, humidity/temperature	GH-17030-28	
Psychrometer, three test points across range of instrument	GH-17005-00	

*Please check our scope of accreditation for any limitations.

Pressure Calibrations

InnoCal performs NIST-traceable pressure and vacuum calibrations on absolute-, atmospheric-, and gauge-pressure vacuum or pressure gauges, transducers, and barometers.

– Testing range from 30" Hg to 20,000 psi at uncertainties as low as 0 to 5000 psi: (K=2) ±0.005 psi + 0.00019% psi

– Vacuum from 0 to 29.2" Hg: (K=2) ±0.0009" Hg + 0.001%

– Barometric pressure from 700 to 1100 mBar: (K=2) ±0.11 mbar

NIST-traceable report for:	Catalog number	Price
Pressure/vacuum gauge; 1, 2, or 3% accuracy. Five test points across range 0 to 20,000 psi, 0 to 29.2" Hg	GH-17040-10	
Pressure/vacuum gauge; better than 1% accuracy. Five test points across range 0 to 20,000 psi, 0 to 29.2" Hg	GH-17040-12	
Barometer/barograph. Three test points across range (700 to 1100 mbar); one temperature test point at ambient (22 to 5°C)	GH-17040-30	
Fluke 700-series pressure module	GH-17090-26	
Pressure comparator	GH-17090-27	
Pressure transmitter	GH-17090-29	
Process calibrator, high accuracy; up to 5000 psig	GH-17002-15	
Process calibrator, low accuracy, handheld	GH-17101-78	
Low-pressure manometer	GH-17090-31	
Dead weight tester, single column; 0.1% accuracy	GH-17101-09	
Dead weight tester, single column; 0.05% accuracy	GH-17101-10	
Dead weight tester, single column; 0.015% accuracy	GH-17101-11	
Dead weight tester, dual column; 0.1% accuracy	GH-17101-12	
Dead weight tester, dual column; 0.05% accuracy	GH-17101-13	
Dead weight tester, dual column; 0.015% accuracy	GH-17101-14	
Dead weight tester; >0.015% accuracy	GH-17101-15	
Dead weight tester, pneumatic, 0.1%	GH-17101-83	
Dead weight tester, pneumatic; 0.05%	GH-17101-84	
Dead weight tester, pneumatic; 0.015%	GH-17101-85	

pH, Conductivity, and Dissolved Oxygen Meter Calibrations

pH meter calibration includes five electronic test points for pH (2, 4, 7, 10, 12 pH) and five test points reading in mV (across range). Available for either handheld or benchtop pH meters with BNC connection. We also provide a wet calibration service for pocket meters and testers using NIST-traceable pH buffers.

NIST-traceable report for:	Catalog number	Price
pH pocket meter (non-BNC). Up to three points against NIST-traceable pH buffers	GH-17101-45	
pH simulator	GH-17106-06	
pH meter (BNC connection). Five electrical pH and five mV test points	GH-17106-20	
pH temperature probe	GH-17106-21	
Conductivity. Additional five-point electrical test for multiparameter meters	GH-17090-30	
Conductivity pocket meter. Using ISO Guide 34 accredited standards	GH-17106-22	
Dissolved oxygen (DO) meter	GH-17106-04	

Electrical Calibrations

InnoCal's highly trained metrologists use high-end Fluke® multi-function calibrators to perform NIST-traceable calibrations on your electrical meters as well as other electronic instruments including:

– Multimeters up to 6½ digits   – Data loggers

– Process calibrators   – Strip and chart recorders

NIST-traceable report for:	Catalog number	Price
DC and AC/DC current and voltage transducer	GH-17101-81	
Capacitance meter	GH-17090-38	
Counter, low-accuracy	GH-17100-26	
Counter, high-accuracy	GH-17101-24	
Current clamp meter	GH-17090-04	
Multimeter with infrared thermometer	GH-17090-08	
Multimeter, 4.5 digit, handheld	GH-17090-00	
Multimeter, 5.5 digit, handheld	GH-17090-40	
Multimeter, 5.5 digit, benchtop	GH-17090-42	
Multimeter, 6.5 digit, handheld	GH-17090-44	
Multimeter, 6.5 digit, benchtop	GH-17090-46	
Multimeter accessory/high-volt probe	GH-17101-29	
Single-function generator	GH-17101-07	
Dual-function generator	GH-17101-22	
Loop calibrator, low accuracy	GH-17090-20	
Loop calibrator, high accuracy	GH-17090-22	
Panel indicator (voltage, current, resistance)	GH-17090-18	
Recorder; chart, strip, or digital (voltage, current, resistance)	GH-17100-00	
Recorder, X-Y (voltage, current, resistance)	GH-17100-10	
Data logger (voltage, current, resistance)	GH-17101-18	
Panel-mount indicator, multiple inputs	GH-17101-63	
Micro-ohmmeter	GH-17101-26	
Component tester (economical)	GH-17101-20	
Process calibrator, high accuracy; up to 5000 psig	GH-17002-15	
Process calibrator, low accuracy, handheld	GH-17101-78	
High-accuracy portable process and documenting calibrator	GH-17101-82	
ScopeMeter, to 1 GHz, handheld	GH-17090-12	
ScopeMeter, to 300 MHz, handheld	GH-17100-33	
ScopeMeter, to 600 MHz, handheld	GH-17101-31	
Oscilloscope, to 1 GHz, bench	GH-17090-14	
Oscilloscope, to 300 MHz, bench	GH-17100-34	
Oscilloscope, to 600 MHz, bench	GH-17101-32	
Power watt meter	GH-17090-28	
Power harmonic analyzer (low frequency)	GH-17090-32	
Power quality meter (low frequency)	GH-17090-34	
Power disturbance meter (low frequency)	GH-17090-36	
Power supply, AC/DC single phase	GH-17090-16	
Power meter (low-frequency)	GH-17101-34	
Resistance decade box	GH-17101-35	
Megohmeter	GH-17101-25	
Ground resistance tester	GH-17101-27	
Hipot tester	GH-17101-28	
RMS power data logger	GH-17101-97	
Signal generator	GH-17101-98	
RF spectrum analyzer	GH-17101-99	

Flowmeter Calibrations

Our computerized, automated standards allow us to perform NIST-traceable mass and correlated flow measurements, using air or nitrogen gas. When correlation to other gases is needed, our metrologists will provide you with correlated data or a gas correlation table.

NIST-traceable report for:	Catalog number	Price
Flowmeter, air/gas. Five to seven test points across range 0.2 to 80,000 sccm (0.002 to 80 L/min).	GH-17080-00	
Flowmeter, gas mass. Five to seven test points across range 0.2 to 80,000 sccm (0.002 to 80 L/min).	GH-17080-10	
Flowmeter, liquid. 1 ccm to 300 L/min water (can correct for other fluids).	GH-17080-12	