

METEOROLOGICAL CALIBRATION EQUIPMENT

SERVICE MAINTENANCE, REPAIR, SPARE PARTS

Met One Instruments, Inc.; 1600 NW Washington Blvd.; Grants Pass, OR. 97526
Ph. 541-471-7111; Fax 541-471-7116; E-mail: service@metone.com

CALIBRATION EQUIPMENT AVAILABLE FROM MET ONE INSTRUMENTS, INC.

PART #	DESCRIPTION	WHERE USED
3226	RELATIVE HUMIDITY CALIBRATOR (DUAL BATH) <i>2 Bath Calibrator. Can be used with any RH Sensor. Note: To obtain optimal accuracy, these salt bath calibrators must be used in an indoor environment where the temperature is controlled and constant.</i>	083D, 083E or other Humidity Sensors
3226-1	RELATIVE HUMIDITY CALIBRATOR (THREE BATH) <i>3 Bath Calibrator. Can be used with any RH Sensor. Note: To obtain optimal accuracy, these salt bath calibrators must be used in an indoor environment where the temperature is controlled and constant.</i>	083D, 083E or other Humidity Sensors
5472	THERMAL MASS CALIB. <i>Used to audit Temperature Sensor in the 083D-1-X or 083E-1-X RH sensor. Note that 083D-0-X and 083E-0-X sensors do not have temperature. The -1 in the part number indicates the sensor has the capability to measure temperature.</i>	083D-1-X or 083E-1-x sensors
6871	CALIBRATOR ADAPTER COUPLER <i>Required with 049C-1, 049C-2, or 053 to test 034A or 034B Wind Speed and Direction sensor</i>	034A, 034B, MSO-8
6986	CALIBRATOR, DEGREE WHEEL, 034B <i>Same as the 044-2 except has a longer pointer</i>	024A, 034A, 034B
510800	CYLINDER, 10 ML GRADUATED <i>Used to calibrate or audit Rain Gauges</i>	Any Rain Gauge

CALIBRATION EQUIPMENT AVAILABLE FROM MET ONE INSTRUMENTS, INC.

PART #	DESCRIPTION	WHERE USED
790991	THERMOMETER, CALIBRATED -8 DEG TO +32 DEG C W/CASE <i>Used to audit any Ambient Temperature Sensor</i>	Any Temperature Sensor
795000	ASSMAN PSYCHROMETER <i>Used to measure ambient RH for site audits</i>	Any Relative Humidity Sensor
820510	COMPASS, ORIENTATION <i>Used to orient WD sensor or to audit WD sensor orientation. Used at ground level.</i>	Any Wind Direction Sensor
040	WIND DIRECTION CALIBRATOR (020) <i>Used to test Wind Direction sensor linearity</i>	020B, 020C, 021B, 021C
042	SIGHT, TELESCOPIC ORIENTATION (024,020, 034A, 035A) <i>Used to orient WD sensor or to audit WD sensor orientation. Scope is installed in place of sensor on crossarm. Operator must have capability to sight through crossarm-mounted scope.</i>	020, 024, 034A, 034B, 035A
044-1	CALIBRATOR,WD, FUW 023 <i>Used to test Wind Direction sensor linearity</i>	023A
044-2	CALIBRATOR, WD, FUW 024 <i>Used to test Wind Direction sensor linearity. (Use 044-1 for 023 sensor)</i>	024A
045B	CALIBRATOR, PORT. ELECT. <i>Used to audit or calibrate the entire system (Sensors, cables, logger, translator), except the sensors.</i>	All Met One Systems
170-50	SIGHT, TELESCOPIC ORIENTATION <i>Used to sight "True North" marker when setting up wind direction sensors.</i>	Any Wind Direction Sensor

CALIBRATION EQUIPMENT AVAILABLE FROM MET ONE INSTRUMENTS, INC.

PART #	DESCRIPTION	WHERE USED
170-52	FIELD TEST FIXTURE WIND DIRECTION <i>Wind direction alignment/test wheel. Provides indexed disk with arm.</i>	1500 Series sensors
049C-1	CALIBRATOR, WS (300 RPM @ 120V /60HZ) <i>115VAC operation - 300 rpm @ 60 hz or 250 rpm @ 50 hz. Used to test WS sensor output</i>	010B, 010C, 014A, 034A, 034B
049C-2	CALIBRATOR, WS (600 RPM @ 120V 60HZ) <i>115VAC operation - 600 rpm @ 60 hz or 500 rpm @ 50 hz. Used to test WS sensor output</i>	010B, 010C, 014A, 034A, 034B
050	TORQUE WHEEL FUW/010 & 020 SENSORS <i>Used to measure WS or WD sensor torque (bearing condition)</i>	010B, 010C, 020B, 020C, 014A, 034A-B
051	TORQUE WHEEL FUW/50 SERIES <i>Used to measure WS or WD sensor torque (bearing condition)</i>	50 Series Sensors
052	TORQUE WHEEL FUW/1500 SERIES <i>Used to measure WS or WD sensor torque (bearing condition)</i>	1500 Series Sensors
053-120	CALIBRATOR, WS, MOTOR-DRIVEN, DIGITAL RPM DISPLAY <i>115VAC or battery operation - Variable Speed. Used to test WS Sensor output</i>	010B, 010C, 014A, 034A, 034B
053-220	CALIBRATOR, WS, MOTOR-DRIVEN, DIGITAL RPM DISPLAY <i>220VAC or battery operation - Variable Speed. Used to test WS Sensor output</i>	010B, 010C, 014A, 034A, 034B
410006	PORTABLE ANEROID BAROMETER <i>Used to measure ambient BP for site audits</i>	Any BP sensor