



CAL-2000

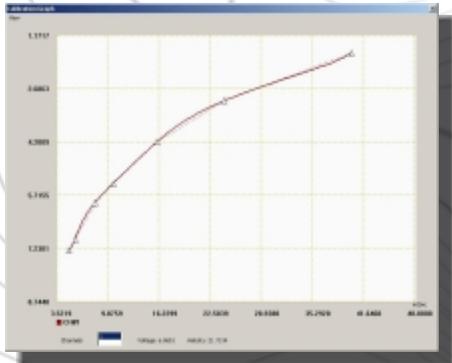
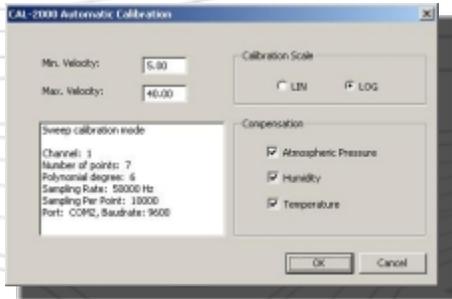
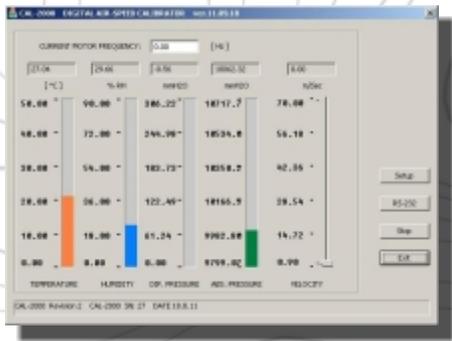
DIGITAL AIR SPEED CALIBRATOR

FEATURES

- ▶ Stand-Alone System
- ▶ Turn-key system
- ▶ RS-232 / USB Interface
- ▶ High Accuracy to 0.5% of reading
- ▶ Velocity controller maintains highly stable air velocity
- ▶ Environmental monitoring:
 - Barometric pressure
 - Humidity
 - Differential pressure
 - Temperature
- ▶ Calibration curve supplied with each system
- ▶ Auto-velocity sweep function for fast calibrations



CAL-2000 SOFTWARE



The CAL-2000 is a high-precision digital air-speed calibration system designed especially for calibration of Hot-Wire and Hot-Film sensors. Its powerful motor generates air velocity of 1 to 70 m/sec over varying temperature, humidity and barometric pressure conditions. A high-speed microprocessor monitors all parameters continuously, and maintains a constant air velocity or a sweep between velocities at a known rate, according to user's request via RS-232 or USB interface. The user may also send a requested motor velocity or read each one of the four built-in environmental sensors in engineering units.

The CAL-2000 unit features a uniform flow rate, with low turbulence level. Its large output cross-section (1.95 sq. inches) allows calibration of almost any standard sensor. The probe angles can be adjusted easily by two manual controls.

The CAL-2000 is a complete stand-alone system. It does not require any pressure inlets or external sources for generating the requested air speed. Its "Microneel" filter provides clean air flow without any dust or moisture particles which might attach to the sensor and change its calibration curve. The flow range configuration is done by entering a plate to a slot inside the noise filter section.

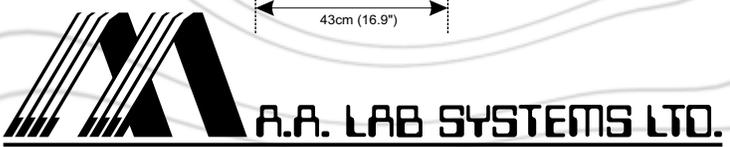
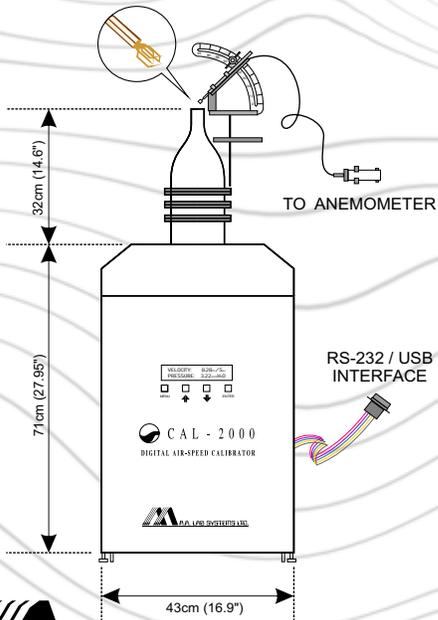
SOFTWARE

The CAL-2000 system is supplied with a setup and control software for PC compatible computers. All system setups can be controlled remotely via that software. The system also interfaces with "LIN-FLOW" software for calibration of Hot-Wire sensors with the AN-2000 software. The system may also be operated from any computer (PC, Macintosh, Sun etc.) which contains a serial port (RS-232C standard) or USB interface, by sending simple ASCII commands. Windows XP / 7 interface program is included. The CAL-2000 interfaces to the AN-2000 and AN-1005 programs for automatic calibrations.

SPECIFICATIONS

Flow Rate	1 to 70 m/sec.
Accuracy	0.5% of reading
Temperature range	0 to 50 C
Humidity	0 - 90% RH
Power Requirement	230 Vac ±10% (115V models available)
Power consumption	650W at full speed
Weight	69.5 Kg

DIMENSIONS



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