SMARTREADER 2

Four Channel RH and Temperature Data Logger

SmartReader 2 is a data logger for easy and reliable tracking of "air quality" conditions. It has a built-in temperature sensor and a plug-in Relative Humidity sensor. The Relative Humidity sensor is field replaceable so you can always be assured of accurate readings.
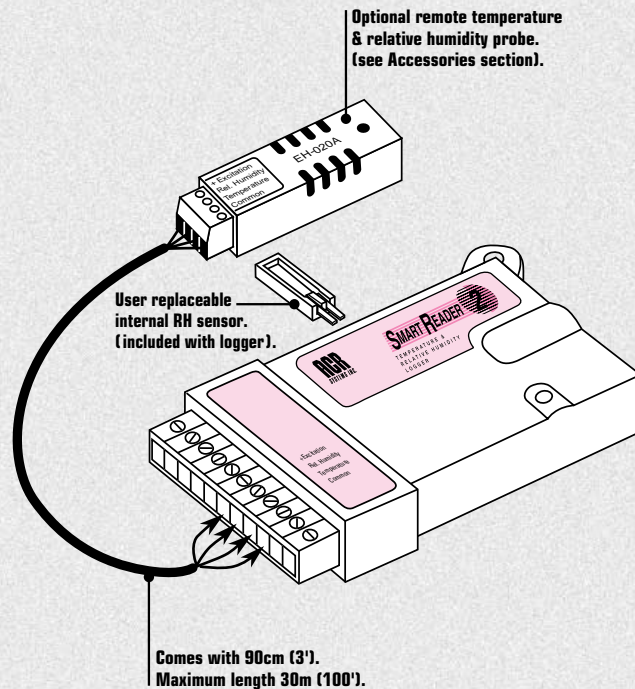
Features

- ☐ **4 channels**
- ☐ **10-year battery life**
- ☐ **User-configurable**
- ☐ **Accessible remotely by modem**
- ☐ **Network capable**
- ☐ **N.I.S.T. traceable measurements**
- ☐ **Includes calibration certificate**

Product Specifications

No. of Channels:	Four. (One for the internal temperature sensor, one for the internal RH sensor, one for optional external RH and one for optional external temperature or resistance).
Relative Humidity Sensor:	Capacitive thin polymer film.
Range:	0 to 95% (non-condensing).
Accuracy:	+/-4% RH from 10 to 90% (-20 to 40°C [-4 to 104°F]).
Resolution:	Better than 0.4% between 25 & 60% RH at 25°C (77°F).
Response Time:	Adequate ventilation reduces the response time which is approximately 5 minutes in still air.
Memory Size:	32 KB.
Environmental Conditions:	Like all relative humidity sensors, when exposed to contaminants and/or extreme environmental conditions, accuracy degradation could result. For maximum long-term stability, sensor should not be exposed or subjected to organic solvents, corrosive agents (strong acids, SO_2, H_2SO_4, Cl_2, HCl, H_2S, etc.), and strong bases (compounds with PH greater than 7). Dust settling on the sensor surface will not affect sensor performance except possibly to decrease the speed of response. For more information on the RH sensor's tolerance to chemicals, see Accessories section under Relative Humidity.
Common Specifications:	See page 6.
Software Specifications:	See page 7.
Remote & Network Communications:	See page 34.
Accessories:	ACR EH-020A Temperature & RH Probe ACR ET Series Temperature Probe.

Optional remote temperature & relative humidity probe. (see Accessories section).

EH-020A

User replaceable internal RH sensor. (included with logger).

Comes with 90cm (3'). Maximum length 30m (100').

Order Information

MODEL	MEMORY	CATALOG #
SR-002	32 KB	01-0025

Measurement Solutions