

Four Channel RH and Temperature Data Logger

SmartReader Plus 2 is a self-contained data logger that is able to record both temperature and relative humidity – right out of the box. The on-board RH sensor is temperature compensated permitting reliable, worry-free RH readings. For remote sensing, simply attach an external temperature or temperature/RH probe.

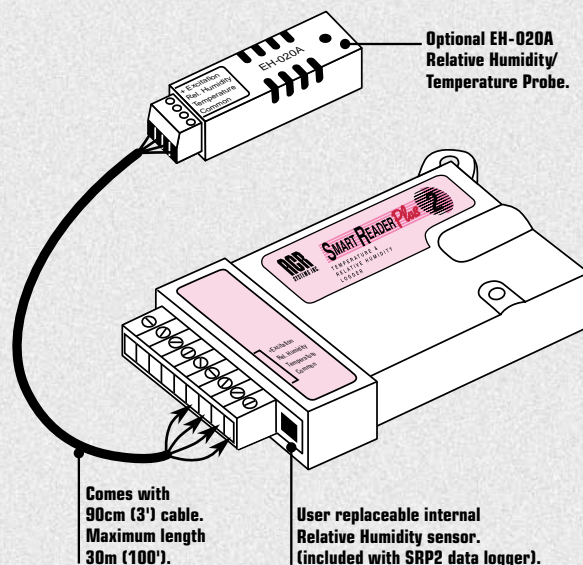


Features

- 12 bit resolution
- 4 channels
- 10-year battery life
- Up to 128 KB memory
- User-configurable
- Accessible remotely by modem
- Network capable
- N.I.S.T. traceable measurements
- Includes calibration certificate

Product Specifications

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|----------------------------------|--|
| 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: | +/-3% RH from 10 to 90% (-20 to 40°C [-4 to 104°F]). |
| Resolution: | Better than 0.04% 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, 128 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 ₂ SO ₄ , Cl ₂ , HCl, H ₂ S, 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 8. |
| Software Specifications: | See page 9. |
| Remote & Network Communications: | See page 34. |
| Accessories: | ACR EH-020A Temperature & RH Probe ACR ET Series Temperature Probe. |



Order Information

| MODEL | MEMORY | CATALOG # |
|--------------|--------|-----------|
| SRP-002 | 32 KB | 01-0009 |
| SRP-002-128K | 128 KB | 01-0113 |