

**Engineering Specifications
Alta Labs™ Humidity Sensor
2%, 3% RH & RH/T Transmitter
Wall mount model HW Series**

1. Sensor shall have replaceable digitally profiled thin-film capacitive sensor element.
2. Humidity sensor shall be 2%, 3%, or 5% accurate @ 10 to 80% RH.
3. Sensor RH element shall be replaceable and transmitter shall perform to specified accuracy without calibration.
4. Sensor shall operate over a 0 to 100% RH range.
5. Sensor shall operate over a 10 to 35°C temperature range.
6. Sensor shall operate over a 12 to 30VDC voltage range.
7. Sensor shall have provisions for wall mounting on surface or in single gang box.
8. Sensor shall Veris Industries model HW.

FOR 4-20mA OUTPUT

9. Sensor shall produce a non-polarity sensitive 4-20mA output scaled 0 to 100% RH.
10. Sensor shall produce a 0 to 1V test point output scaled 0 to 100% RH.

FOR 0-10VDC OUTPUT

11. Sensor shall produce a 0-10V output scaled 0 to 100% RH.

FOR TEMPERATURE OPTION:

12. Temperature sensor element shall be microelectronic IC; Accuracy +/-0.5°C typ., Resolution: 0 to 50°C = 0.1°C, -50° to 50°C = 0.125°C. Thermistors may be specified.