



METER
ENVIRONMENT

ATMOS 14 ACCURACY SPECIFICATIONS

ATMOS 14

ATMOS 14 RH sensor

Measurement accuracy is variable across a range of RH. See Figure 3 below.

| | | | | | | | | | | |
|----------------|-----|------------------|-------|-------|-------|-------|-------|-------|-------|-------|
| HUMIDITY (%RH) | 100 | ±2.0% | ±2.0% | ±2.0% | ±2.0% | ±2.0% | ±2.0% | ±2.0% | ±2.0% | ±2.0% |
| | 90 | ±2.0% | ±2.0% | ±2.0% | ±2.0% | ±2.0% | ±2.0% | ±2.0% | ±2.0% | ±2.0% |
| | 80 | ±2.0% | ±1.5% | ±1.5% | ±1.5% | ±1.5% | ±1.5% | ±2.0% | ±2.0% | ±2.0% |
| | 70 | ±1.5% | ±1.5% | ±1.5% | ±1.5% | ±1.5% | ±1.5% | ±1.5% | ±2.0% | ±2.0% |
| | 60 | ±1.5% | ±1.5% | ±1.5% | ±1.5% | ±1.5% | ±1.5% | ±1.5% | ±2.0% | ±2.0% |
| | 50 | ±1.5% | ±1.5% | ±1.5% | ±1.5% | ±1.5% | ±1.5% | ±1.5% | ±2.0% | ±2.0% |
| | 40 | ±1.5% | ±1.5% | ±1.5% | ±1.5% | ±1.5% | ±1.5% | ±1.5% | ±1.5% | ±2.0% |
| | 30 | ±1.5% | ±1.5% | ±1.5% | ±1.5% | ±1.5% | ±1.5% | ±1.5% | ±1.5% | ±2.0% |
| | 20 | ±1.5% | ±1.5% | ±1.5% | ±1.5% | ±1.5% | ±1.5% | ±1.5% | ±1.5% | ±2.0% |
| | 10 | ±1.5% | ±1.5% | ±1.5% | ±1.5% | ±1.5% | ±1.5% | ±1.5% | ±1.5% | ±2.0% |
| | 0 | ±1.5% | ±1.5% | ±1.5% | ±1.5% | ±1.5% | ±1.5% | ±1.5% | ±1.5% | ±2.0% |
| | | 0 | 10 | 20 | 30 | 40 | 50 | 60 | 70 | 80 |
| | | TEMPERATURE (°C) | | | | | | | | |

Figure 3. RH sensor accuracy

ATMOS 14 vapor pressure sensor

Measurement accuracy is variable across a range of temperatures and RH. Refer to the chart in Figure 4.

| | | | | | | | | | | |
|----------------|------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| HUMIDITY (%RH) | 100 | ± 0.03 | ± 0.05 | ± 0.09 | ± 0.16 | ± 0.27 | ± 0.44 | ± 0.69 | ± 1.33 | ± 2.38 |
| | 90 | ± 0.03 | ± 0.05 | ± 0.09 | ± 0.15 | ± 0.26 | ± 0.42 | ± 0.66 | ± 1.26 | ± 2.24 |
| | 80 | ± 0.03 | ± 0.04 | ± 0.07 | ± 0.12 | ± 0.21 | ± 0.34 | ± 0.63 | ± 1.20 | ± 2.10 |
| | 70 | ± 0.02 | ± 0.04 | ± 0.07 | ± 0.12 | ± 0.20 | ± 0.32 | ± 0.50 | ± 1.13 | ± 1.96 |
| | 60 | ± 0.02 | ± 0.03 | ± 0.06 | ± 0.11 | ± 0.18 | ± 0.30 | ± 0.47 | ± 1.06 | ± 1.82 |
| | 50 | ± 0.02 | ± 0.03 | ± 0.06 | ± 0.10 | ± 0.17 | ± 0.28 | ± 0.45 | ± 0.99 | ± 1.68 |
| | 40 | ± 0.02 | ± 0.03 | ± 0.05 | ± 0.09 | ± 0.16 | ± 0.26 | ± 0.42 | ± 0.76 | ± 1.54 |
| | 30 | ± 0.01 | ± 0.03 | ± 0.05 | ± 0.09 | ± 0.15 | ± 0.24 | ± 0.39 | ± 0.69 | ± 1.40 |
| | 20 | ± 0.01 | ± 0.02 | ± 0.04 | ± 0.08 | ± 0.14 | ± 0.23 | ± 0.36 | ± 0.62 | ± 1.26 |
| | 10 | ± 0.01 | ± 0.02 | ± 0.04 | ± 0.07 | ± 0.12 | ± 0.21 | ± 0.33 | ± 0.55 | ± 1.13 |
| 0 | ± 0.01 | ± 0.02 | ± 0.04 | ± 0.06 | ± 0.11 | ± 0.19 | ± 0.30 | ± 0.48 | ± 0.99 | |
| | 0 | 10 | 20 | 30 | 40 | 50 | 60 | 70 | 80 | |
| | TEMPERATURE (°C) | | | | | | | | | |

Figure 4. Vapor pressure sensor accuracy