

RELATIVE HUMIDITY - 2000 SERIES

Digitron's range of hand-held Relative Humidity instruments has been designed for the effective and reliable measurement of controlled environments.

They measure ambient humidity - not of materials.

The two models 2020R and 2080R are supplied with a temperature/humidity probe.

The more advanced 2080R includes functions such as – dewpoint and icepoint calculation, separate thermocouple input, logging and can measure humidity to 1.5% RH accuracy.

FEATURES

- Functions: On-Hold-Off
- Waterproof to IP65 (with plug connected) - IP67 option
- Accuracy: 0 to 100%RH 1.5%
- Auto switch-off
- °C/°F/RH selection button

2080R

- Dew Point-Ice Point-External probe input
- Max-Min-Average
- **Logging:** 50 readings on demand or 250 at pre-set interval
- Data store with 4 digit data code input
- Auto range / Range lock

RH CALIBRATION

RH calibration chamber and capsules are available to generate a known RH value to verify meter accuracy, the capsules are available for 35%, 50% and 80% RH.

LOGGING

Data can be downloaded with **DigiLink** and **DigiLog**.

Access to stored information is gained via Digitron's infrared interface to PC, DigiLink.

Within Windows™ software package, DigiLog, enable information to be exported into graph or schedule. Even separate reports from different units can be merged to produce one report.



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	2020R	2080R
Sensor(s):	Pt100 RTD + sensor capacitive RH	Input for TC KPt100 RTD + capacitive sensor RH
Range:	0 - 100%RH; -40°C to +85°C/-14°F to +185°F	0 - 100%RH; -40°C to +85°C/-14°F to +185°F
Resolution:	0.1% RH, 0.1° -199.9°C to +199.9°C/-199°F to +392°F, 1° (elsewhere)	0.1% RH, 0.1° -199.9°C to +199.9°C / -199°F to +392°F, 1° (elsewhere)
Accuracy:	1.5%UR @ 23°C / 73°F range 0-100%	1.5%UR @ 23°C / 73°F range 0-100%
Accuracy: (integratedPt100 RTD):	±0.3°C	±0.3°C
Accuracy (instrument + additionalprobe):		0.1% rdg ±0.3°C/0.4°F above -100°C/-148°F, ±2 digit 0.5% rdg ±0.3°C/0.4°F below 100°C/-148°F, ±2 digit
Operating temperature:	-10°C to +50°C	-10°C to +50°C
Operating Humidity:	0 a 100% RH (non-condensing)	0 a 100% RH (non-condensing)
Battery type:	2 "AA" (not supplied)	2 "AA" (not supplied)
Battery life:	150 hours approx	150 hours approx
Low battery check:	Battery shows on display	Battery shows on display
Display:	12.7mm/0.5" model LCD	12.7mm/0.5" model LCD
Backlight display:	Yes	Yes
IP rating:	IP65 (IP67 optional) with plug connected	IP65 (IP67 optional) with plug connected
Dimensions:	155 x 67 x 40 mm / 6.1 x 2.6 x 1.6"	155 x 67 x 40 mm / 6.1 x 2.6 x 1.6"
Weight:	180 g / 6.4 oz	180 g / 6.4 oz

The final instrument yield corresponds to accuracy plus uncertainty due to measurement environment