

H2

- HUMIDITY + TEMPERATURE TRANSMITTERS
- SINGLE AND DUAL CHANNEL
- %RH, T°, DEW POINT AND DELTA T°



FEATURES

H2	
INPUTS	
Humidity range	0... 100% RH
Humidity accuracy	Typically $\pm 3\%$ ($\pm 5\%$ max) between 10... 90% RH
Temperature range	-30... +100°C
Temperature accuracy	$\pm 0.5^\circ\text{C}$ between -20... 80°C
Dew point range	0... 50°C
Delta temperature	Ambient temperature – dew point temperature
Delta temperature range	0... 50°C
OUTPUTS	
Output type	4... 20 mA current loop – 2 wire
Output connection	Two part screw terminal
Max output	> 20.5 mA
Min output	< 3.9 mA
Accuracy	mA output/2000 or 5 μA , whichever is the greater
Loop voltage effect	0.2 $\mu\text{A/V}$
Thermal drift	1 $\mu\text{A}/^\circ\text{C}$
Maximum output load	$[(V_{\text{supply}} - 10)/20]$ K Ohms (Example: 700 Ohms @ 24V)
Channel isolation	500 Vdc
Switch settings (CH2 only)	Four pre-programmed ranges programmable by means of dip switches Note: CH1 = main supply channel and must be powered, CH2 acts as slave to CH1
POWER SUPPLY	
Power supply	10... 30 VDC
MECHANICAL	
Output connection	M20
Mounting	On duct or on wall
GENERAL	
Case material	ABS
Protection degree	Probe: IP20, case: IP65
Weight	130 g approx.
Update time	3 sec.
Start-up time	< 10 seconds, I out < 4 mA during start-up
Operating temperature	-20... 70°C
Approvals	EMC – BS EN 61326 Electrical equipment for measurement control and laboratory use ANNEX A – Immunity test requirements for equipment intended for use in industrial locations ANNEX F – Test configurations, operational conditions and performance criteria for transducers with integrated or remote signal conditioning. IEC 61000-4-2 Electrostatic discharge IEC 61000-4-3 EM Field IEC 61000-4-4 Transient Burst (output) IEC 61000-4-5 Surge (output)

HOW TO ORDER

To compose the part number, pls. choose one of the option for each variable

H2	CODE
CASE	
Duct mounting	D
Wall mounting	W
CHANNEL	
Single channel	H-
Dual channel	HP
STEM LENGHT (DUCT ONLY)	
120 mm	01
250 mm	02
Standard for wall mounting (132,80 mm)	--
FILTER	
Sithered stainless steel filter	R
Not available	0
TEMPERATURE RANGE	
No calibration	0
-30... +70°C	1
-20... +30°C	2
0... + 50°C (Standard)	3
0... 100°C	4

DIMENSIONS

