



DEWCom 2-wire Programable Dewpoint Transmitter



The **DEWCom** Dewpoint Transmitter makes monitoring dewpoints as easy as measuring temperature or pressure, and can be instantly incorporated into air or gas measurement and control systems. **STORK's** highly automated manufacturing, calibration and test processes make the **DEWCom** not only a very rugged and reliable instrument but also very competitive in price. By taking advantage of **STORK's** exchange sensor program, users can be assured that their process moisture measurement facility is never interrupted. It is very easy to install and maintain and comes with a full world-wide backup and service program.

TECHNICAL SPECIFICATION

Measurement Range (dewpoint)	-100 to +20°C dew point
Accuracy (dewpoint)	±2°C dew point
Response Time	1 min to T95 (dry to wet)
Repeatability	0.5°C dew point
Calibration	Traceable 7 point calibration certificate

ELECTRICAL INPUT/OUTPUT

Output Signal	4-20 mA current source, configurable over the entire range Dew point -100 to + 20°C -148 to +68°F 0,01-23,000 ppm(v) ppm(v) output or non-standard dew point range may be specified at time of order
Supply voltage	8 - 36 VDC
Load Resistance	Max 660 Ω @ 24 V 160 Ω @ 12 V
Current Consumption	23mA max
CE marked	


OPERATING CONDITIONS

Operating Temperature	-40 to +60°C
Operating Humidity	0–100% RH
Operating Pressure	40 MPa (450 Barg) max
Flow Rate	0.2 to 5 l/min mounted in standard sampling block; 0 to 10 ms ⁻¹ direct insertion
Temperature Coefficient	Temperature compensated across operating temperature range


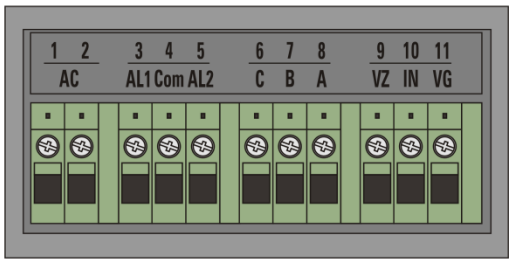
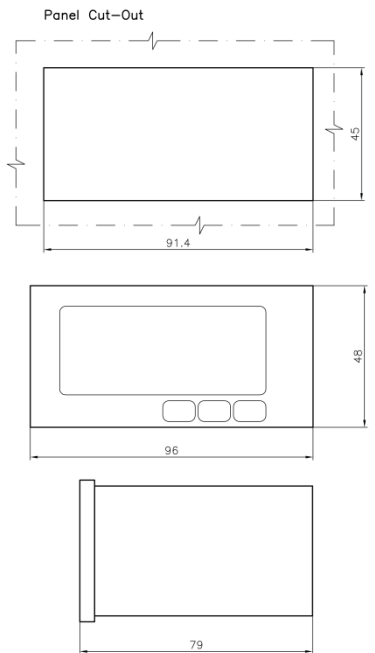
MECHANICAL SPECIFICATIONS

Ingress Protection Sensor	IP65
Housing Material	Stainless steel
Dimensions	114m x 30mm dia
Weight	170g
Filter	5µm sintered guard
Interchangeability	Fully interchangeable without need to set or calibrate on site

Fault Conditions (factory programmed)	Condition	Output
	Sensor fault	23 mA (or 3.5mA, programmable)
	Under-range dew point	4 mA
	Over-range dew point	20 mA

Lp.	Dewpoint Transmitter		
1.	DEWCom		

Accessories

2.	DEWCom Monitor	 <p>DEWCom monitor front panel A - Alarm diodes B - Display C - Function diode D - Navigation keys E - Unit indicator diodes</p>  <p>DEWCom monitor Rear Panel</p>	 <p>Panel Cut-Out</p>
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3.	DEWCom thread adapters		5/8 UNF to 1/2" BSP And NPT
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4.	DEWCom Interface		height – 35 mm width – 20 mm length – 60 mm
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5.	DEWCom Sensor Block	 <p>*fittings extra according to customer requirement</p>	
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