SF82 ONLINE DEW-POINT HYGROMETER

A panel or bench mount fast response hygrometer with digital display, analog and digital Modbus RTU outputs and dual alarm feature, offering excellent reliability and repeatability.

Feature	Item	Description
Product Parent Code: SF82-OL-HYG SF82 Online Hygrometer (2-wire, 1/8 DIN panel mount, 2 alarms, sampling block with cable assembly options		
Product Ordering Code {Feature A}+{Feature B}+{Feature C}+{Feature D}+{Feature E}+{Feature F}+{Feature G}		
Feature {A}	**Base Model**	
	SF82-OL-HYG	SF82 Online Hygrometer (2-wire, 1/8 DIN panel mount, 2 alarms, sampling block)
Feature {B}	**Type**	
	B1	G1/2" BSP Process Connection
	B2	3/4" UNF Process Connection
	B3	5/8" UNF Process Connection
Feature {C}	**Range**	
	C1	-60/+60°Cdp output scaled 4-20mA range
	C2	-50/+50°Cdp output scaled 4-20mA range
	C3	-50/+30°Cdp output scaled 4-20mA range
Feature {D}	**Protection**	
	D1	Standard HMWPE guard (for protection against fine particulates (<10 µm))
Feature {E}	**Connector**	
	E1	MinDin 43650 C
	E2	M12 5 Pin
Feature {F}	**Power**	
	F1	85 to 265 V AC
Feature {G}	**Cable**	
	G1	M12 Sensor Cable 0.8m
	G2	M12 Sensor Cable 2m
	G3	M12 Sensor Cable 5m
	G4	M12 Sensor Cable 10m
	G5	MiniDIN Sensor Cable 0.8m
	G6	MiniDIN Sensor Cable 2m
	G7	MiniDIN Sensor Cable 5m
	G8	MiniDIN Sensor Cable 10m
		Other cable lengths available upon request

Ordering Example

SF82-OL-HYG+B3+C1+D1+E2+F1+G5	SF82 Online, -60 to +60°C dp range, HMWPE guard, 85 to 265 V AC power supply & 0.8m (2.62') cable with M12 connector

SF82 ONLINE DEW-POINT HYGROMETER ACCESSORIES AND SPARE PARTS

Feature	Item	Description
Product Parent Code: SF82-TX SF82 Transmitter 2-Wire 4-20mA Output		
Product Ordering Code {Feature A}+{Feature B}+{Feature C}+{Feature D}+{Feature E}		
Feature {A}	**Base Model**	
	SF82-TX	A rugged dew-point transmitter for continuous measurement in industrial dryer applications
Feature {B}	**Type**	
	B1	G1/2" BSP Process Connection
	B2	3/4" UNF Process Connection
	B3	5/8" UNF Process Connection
Feature {C}*	**Range**	
	C1	-60/+60°Cdp output scaled 4-20mA range
	C2	-50/+50°Cdp output scaled 4-20mA range
	C3	-50/+30°Cdp output scaled 4-20mA range
Feature {D}	**Protection**	
	D1	Standard HMWPE guard (for protection against fine particulates (<10 µm))
Feature {E}	**Connector**	
	E1	MinDin 43650 C
	** *** E2	M12 5 Pin

* - Non-standard scaled ranges available upon request - refer to Peter Shepherd	
** - Selection of M12 5 pin connector version enables the SF82 to output 4 to 20 mA and Modbus RTU over RS485 outputs	
*** - M12 5 Pin connector is not supplied with the product and should be ordered separately from the accessories list	

Ordering Example

SF82-TX+B1+C1+D1+E1	SF82 Transmitter, 2-wire, 4-20mA output, G 1/2" BSP, measurement range -60 to +60°Cdp, HMWPE guard, MiniDin 43650 C

Order Codes	Product / Description	Process Connection		
		G1/2" BSP	3/4 " UNF	5/8 " UNF
Spares				
SF82-HMP	Pack of 10 replacement HMWPE guards (for protection against fine particulates <10µm)	✔	✔	✔
GEN-LABEL	Additional/replacement transmitter labels (price per 2 off labels)	✔	✔	✔
BS-12-PK5	5/8" UNF Bonded Seal for process connection (pack of 5)	✔		
OR-34-PK5	G1/2" Bonded Seal for process connection (pack of 5)		✔	
BS-58-PK5	3/4" UNF Viton O-ring for process connection (pack of 5)			✔
EA2-SC	MiniDIN sensor connector socket	✔	✔	✔
EA2-SCG	Sensor Connector MiniDIN Gasket	✔	✔	✔
Sampling Accessories				
APT-PAN	5/8" UNF (Internal) to 3/4" UNF (External) Adapter Collar			✔
APT-GEI	5/8" UNF (Internal) to G1/2" (External) Adapter Collar			✔
APT-TSO	5/8" UNF (Internal) to 1/2" NPT (External) Adapter Collar			✔
SB-12	G1/2" SS sample block (with 1/8" NPT inlet & outlet ports)	✔		
SB34-SF82	SS 3/4" sample block (with 1/8" BSP and 1/4" BSP ports)		✔	
SB-12-QF	G 1/2" Quick Fit Sample Block with DN7.2 Quick Connector for compressed air. Outlet vent to atmosphere	✔		
SB-58-QF	5/8" UNF Quick Fit Sample Block with DN7.2 Quick Connector for compressed air. Outlet vent to atmosphere			✔
APT-KF40-34	KF40 Adaptor Flange for ¾ UNF Sensors		✔	
APT-KF40-58	KF40 Adaptor Flange for 5/8 UNF Sensors			✔
CSB	5/8" UNF SS sample block (with 1/8" NPT inlet & outlet ports)			✔
EA2-SAM	5/8" UNF Sampler Kit (for atmospheric or pressure dp measurements, 145 psig/10 barg max)			✔
EA2-SAM-HP	5/8" UNF HP (High Pressure) Sampler Kit - (for atmospheric or pressure dp measurements, 2900 psig/200 barg max)			✔
PTFE-xx	PTFE sample tube 6mm (0.24") O/D thick-walled (for Sampler Kit) (xx = length of tube in meters - price per meter- above 0.5m)	✔		✔
Electrical Accessories				
EA2-OL-MON-29739	RS485 Serial Comms Cable for Online monitor	✔	✔	✔
EA2-CAB-0.8	Cable, 0.8m (2.62') length with mini-DIN mating socket	✔	✔	✔
EA2-CAB-02	Cable, 2m (6.56') length with mini-DIN mating socket	✔	✔	✔
EA2-CAB-05	Cable, 5m (16.4') length with mini-DIN mating socket	✔	✔	✔
EA2-CAB-10	Cable, 10m (32.8') length with mini-DIN mating socket	✔	✔	✔
EA2-M12-CAB-0.8	Sensor Cable, 0.8m (2.62') with M12 Sensor Connector	✔	✔	✔
EA2-M12-CAB-02	Sensor Cable, 2m (6.56') with M12 Sensor Connector	✔	✔	✔
EA2-M12-CAB-05	Sensor Cable, 5m (16.4') with M12 Sensor Connector	✔	✔	✔
EA2-M12-CAB-10	Sensor Cable, 10m (32.8') with M12 Sensor Connector	✔	✔	✔
	Other cable lengths available upon request			

SF82 ONLINE DEW-POINT TRANSMITTER ACCESSORIES AND SPARE PARTS

Order Codes		Product / Description
Product Ordering Code {Feature A}+{Feature B}		
Feature {A}	**Base Model**	
	EAU-CK	Easidew, SF82 & Pura Universal Comms Kit
Feature {B}	**Cable**	
	B1	EA2 MiniDIN Connector 0.5m sensor lead
	B2	EA PRO IS & EA PRO XP Terminal Block Connector 0.5m sensor lead
	B3	EA2 5 Way M12 Connector 0.5m sensor lead (not suitable for SF72 Rail M12 4 pin)

EAU-CK ACCESSORIES AND SPARE PARTS

EAU-CK-CAB1	Spare EA2 MiniDIN Connector 0.5m sensor lead
EAU-CK-CAB2	Spare EA PRO IS & EA PRO XP Terminal Block Connector 0.5m sensor lead
EAU-CK-CAB3	Spare EA2 5 Way M12 Connector 0.5m sensor lead (not suitable for SF72 Rail M12 4 pin)

SF82 ONLINE DEW-POINT TRANSMITTER SERVICE EXCHANGE

Order Codes		Product / Description
Product Ordering Code {Feature A}+{Feature B}+{Feature C}		
Feature {A}	**Base Model**	
	SF82-TX-X	Base unit
Feature {B}	**Type**	
	B1	G1/2" BSP Process Connection
	B2	3/4" UNF Process Connection
	B3	5/8" UNF Process Connection
Feature {C}*	**Range**	
	C1	-60/+60°Cdp output scaled 4-20mA range
	C2	-50/+50°Cdp output scaled 4-20mA range
	C3	-50/+30°Cdp output scaled 4-20mA range
	(v/wx-yz)	Non-standard measurement range: v = zero value, w = full scale value, x = unit (C = °Cdp, F=°Fdp, P=ppmV) y = Pressure for ppmV conversion in bar/psi, z = pressure unit (PG=psig, PA=psia, BG=barg, BA=bara) blank = 0 barg/psig e.g. 0-100ppm @ 10barg = 0/100P-10BG
Feature {D}	**Protection**	
	D1	Standard HMWPE guard (for protection against fine particulates (<10 μm))
Feature {E}	**Connector**	
	E1	MinDin 43650 C
	** *** E2	M12 5 Pin

* - Non-standard scaled ranges available upon request - refer to Peter Shepherd
** - Selection of M12 5 pin connector version enables the SF82 to output 4 to 20 mA and Modbus RTU over RS485 outputs
*** - M12 5 Pin connector is not supplied with the product and should be ordered separately from the accessories list

SF82 CALIBRATION SERVICES

SF82-TX-Recal	Recalibration of SF82 Transmitter (Supplied with traceable calibration certificate)
READINGS-DPS	Readings before calibration (calibration data recorded before adjustment) - Dew-Point Sensors

Please note: Michell Instruments adopts a continuous development program which sometimes necessitates specification changes without notice. Please contact us for latest version. Issue No: SF82 Online_97167_V2_UK_0221