

DCS60 DEW-POINT CALIBRATION SYSTEM

Product Parent Code: PSD2 Dry Air Generation - Pressure Swing Dryer (-80°Cdp nominal)		
Product Ordering Code {Feature A}+ {Feature B}		
Feature	Item	Description
Feature {A}	Base Model	
	PSD-2-AC	Pressure Swing Dryer

Product Parent Code: DG-2 Dew-Point Generator		
Product Ordering Code {Feature A}+ {Feature B}+ {Feature C}		
Feature	Item	Description
Feature {A}	Base Model	
	DG-2	2 stage mixing manual, -75 to +20°Cdp
Feature {B}	Power	
	110	90 to 120 V AC
	240	220 to 260 V AC

Product Parent Code: ADG400 Dew-Point Generator		
Feature	Item	Description
Feature {A}	Calibration & Service exchange	
	ADG400	Dew/frost point generator in the range -80 to +20 °Cdp. Volumetric mixing of wet and dry gases utilising mass flow controllers. Full-color touch-screen HMI. 11-point factory programmed dewpoint setpoint table from -80 to +20 °C at 10 °C intervals. 13-point user programmable dewpoint setpoint table with 3 programmable calibration profile.

Product Parent Code: S8K411 Dew-Point Hygrometer (Supplied with 3 off outputs (0/4-20mA or 0-1V), 2 off alarm relays (Process and Fault) & SD card slot. Unit is mains powered 85-264V AC 47-63Hz with IEC lead)		
Product Ordering Code {Feature A}+ {Feature B}+ {Feature C}+ {Feature D}+ {Feature E}+ {Feature F}+ {Feature G}		
Feature	Item	Description
Feature {A}	Base Model	
	S8K411	Cooled Mirror Hygrometer (1 bar g)
Feature {B}	Range	
	B6	-60 to +40°C dew point
Feature {C}	Standard Calibration	
	C1	Standard traceable in-house calibration
	C2	UKAS / ISO17025 DP Cal (5 calibration points)
Feature {D}	Digital Communications	
	D1	USB only
	D2	USB + Ethernet
	D3	USB + RS232
	D4	USB + RS485
Feature {E}	Internal Pressure Sensor	
	E0	None fitted
	E1	Internal Pressure Sensor (0-25barA)
	E2	Internal Pressure Sensor (0-1.6barA)
Feature {F}	Fittings	
	F1	6mm Swagelok Tube
	F2	1/4" Swagelok Tube
Feature {G}	Sample Pump	
	G0	No pump fitted
	G1	Internal Pump & flow control valve, Outlet: 1/4" Tube
	G2	Internal Pump & flow control valve, Outlet: 6mm Tube

ADDITIONAL CALIBRATION POINTS

CM-DPUKAS	5-pt UKAS/ISO17025 dew-point calibration (specify points required on order)
CM-DPAP01	Additional calibration points for UKAS/ISO17025 calibration

DCS60 DEW-POINT CALIBRATION SYSTEM OPTIONS

Order Codes	Product / Description
Rack System	
DCS-RAK	Floor standing rack with instrument shelf (for positioning of instrument/sensor under test)
Compressor System	
CMP-10-240	Oil free air mini compressor, 29 psig/2 barg, 10 l/min (for PSD-2)
CMP-10-240+SPC	Oil free air mini compressor, 29 psig/2 barg, 10 l/min (for PSD-2) + Soundproof cabinet for compressor
Sensor Manifold	
DCS-MAN	Sensor Manifold (Manufactured to suit the customer's sensors typically in anodized aluminum for RH probes or 316 SS for dew-point sensors - Price available on request when sensors to be calibrated are fully defined)

DCS80 DEW-POINT SPARES & ACCESSORIES

GEN-28700	USB A->B cable
GEN-21162	Red saturator filling cap
SSF-PF-10PK	Pack of 10 particulate filter cartridges (for protection against fine particulates < 0.1µm (for Sampler Kits))

Ordering Example

PSD-2+AC	PSD2 Pressure Swing Dryer, 100 to 240 V AC
ADG400	Dew/frost point generator in the range -80 to +20 °Cdp. Volumetric mixing of wet and dry gases utilising mass flow controllers. Full-color touch-screen HMI. 11-point factory programmed dewpoint setpoint table from -80 to +20 °C at 10 °C intervals. 13-point user programmable dewpoint setpoint table with 3 programmable calibration profile.
S8K411+B6+C1+D1+E0+F1+GO	S8000 Chilled Mirror Hygrometer low pressure version (1 barg max), -60 to +40°C dew point range, standard traceable in-house calibration, USB communications, no internal pressure sensor, 6mm Swagelok Tube fittings, no pump fitted

DCS80 DEW-POINT CALIBRATION SYSTEM

Product Parent Code: PSD2 Dry Air Generation - Pressure Swing Dryer (-80°Cdp nominal)		
Product Ordering Code {Feature A}+ {Feature B}		
Feature	Item	Description
Feature {A}	Base Model	
	PSD-2-AC	Pressure Swing Dryer

Product Parent Code: DG-2 Dew-Point Generator		
Product Ordering Code {Feature A}+ {Feature B}+ {Feature C}		
Feature	Item	Description
Feature {A}	Base Model	
	DG-2	2 stage mixing manual, -75 to +20°Cdp
Feature {B}	Power	
	110	90 to 120 V AC
	240	220 to 260 V AC

Product Parent Code: ADG400 Dew-Point Generator		
Feature	Item	Description
Feature {A}	Calibration & Service exchange	
	ADG400	Dew/frost point generator in the range -80 to +20 °Cdp. Volumetric mixing of wet and dry gases utilising mass flow controllers. Full-color touch-screen HMI. 11-point factory programmed dewpoint setpoint table from -80 to +20 °C at 10 °C intervals. 13-point user programmable dewpoint setpoint table with 3 programmable calibration profile.

Product Parent Code: S8K401 Dew-Point Hygrometer (Supplied with 3 off outputs (0/4-20mA or 0-1V), 2 off alarm relays (Process and Fault) & SD card slot. Unit is mains powered 85-264V AC 47-63Hz with IEC lead)		
Product Ordering Code {Feature A}+ {Feature B}+ {Feature C}+ {Feature D}+ {Feature E}+ {Feature F}+ {Feature G}		
Feature	Item	Description
Feature {A}	Base Model	
	S8K401	Cooled Mirror Hygrometer with enhanced sensor cooling system
Feature {B}	Range	
	B4	-80 to +20°C dew point
Feature {C}	Standard Calibration	
	C1	Standard traceable in-house calibration
	C2	UKAS / ISO17025 DP Cal (5 calibration points)
Feature {D}	Digital Communications	
	D1	USB only
	D2	USB + Ethernet
	D3	USB + RS232
	D4	USB + RS485
Feature {E}	Internal Pressure Sensor	
	E0	None fitted
	E1	Internal pressure sensor (0-16bara)
Feature {F}	Gas Fittings	
	F1	1/4" VCR Fitting (Inlet)
Feature {G}	Sample Pump	
	G0	No pump fitted
	G1	Internal Pump & flow control valve

DCS80 DEW-POINT CALIBRATION SYSTEM OPTIONS

Order Codes	Product / Description
Rack System	
DCS-RAK	Floor standing rack with instrument shelf (for positioning of instrument/sensor under test)
Compressor System	
CMP-10-240	Oil free air mini compressor, 29 psig/2 barg, 10 l/min (for PSD-2)
CMP-10-240+SPC	Oil free air mini compressor, 29 psig/2 barg, 10 l/min (for PSD-2) + Soundproof cabinet for compressor
Sensor Manifold	
DCS-MAN	Sensor Manifold (Manufactured to suit the customer's sensors typically in anodized aluminum for RH probes or 316 SS for dew-point sensors - Price available on request when sensors to be calibrated are fully defined)

DCS80 DEW-POINT SPARES & ACCESSORIES

GEN-28700	USB A->B cable
GEN-21162	Red saturator filling cap
SSF-PF-10PK	Pack of 10 particulate filter cartridges (for protection against fine particulates < 0.1µm (for Sampler Kits))

Ordering Example

PSD-2+AC	PSD2 Pressure Swing Dryer, 100 to 240 V AC
ADG400	Dew/frost point generator in the range -80 to +20 °Cdp. Volumetric mixing of wet and dry gases utilising mass flow controllers. Full-color touch-screen HMI. 11-point factory programmed dewpoint setpoint table from -80 to +20 °C at 10 °C intervals. 13-point user programmable dewpoint setpoint table with 3 programmable calibration profile.
S8K401+B4+C2+D2+E0+F1+GO	S8000 RSDew-Point Hygrometer, -80 to +20Cdp, standard traceable in-house calibration, USB & Ethernet communications, no internal pressure sensor, 1/4" VCR Fitting (Inlet) gas fittings, no pump fitted

DCS100 DEW-POINT CALIBRATION SYSTEM

Product Parent Code: PSD-4 Dry Air Generation - Pressure Swing Dryer < -100°Cdp		
Product Ordering Code {Feature A} + {Feature B}		
Feature	Item	Description
Feature {A}	Base Model	
	PSD-4-STD-AC	Ultra high performance dryer (Range < -100°Cdp)
	PSD-4-HPO-AC	Ultra high performance dryer with high pressure output (Range < -100°Cdp)
	PSD-4-HFV-AC	Ultra high performance dryer with 90NI/min output (Range < -100°Cdp)

Dew-Point Generator - VDS Three-stage flow dilution, mass flow controller, precision dew-point generator. Fully interfaced to PC		
Feature	Item	Description
Base Model	VDS-3	Vapour Delivery System

Product Parent Code: S8K100 Dew-Point Hygrometer (Supplied with 2 off outputs (0/4-20mA), 1x process relay, 1 x alarm relay and SD card slot. Unit is mains powered 85-264 V AC with IEC lead)		
Product Ordering Code {Feature A} + {Feature B} + {Feature C} + {Feature D} + {Feature E} + {Feature F} + {Feature G}		
Feature	Item	Description
Feature {A}	Base Model	
	S8K100	Cooled Mirror Hygrometer with enhanced sensor cooling system
Feature {B}	Range	
	B1	-100 to +20 °Cfp/dp
Feature {C}	Standard Calibration	
	C1	UKAS / ISO17025 DP Cal (5 calibration points) plus -100 °Cfp verification
Feature {D}	Digital Communications	
	D1	USB only
	D2	USB + Ethernet
	D3	USB + RS232
Feature {D}	D4	USB + RS485
	Feature {E} Internal Pressure Sensor	
	E0	Internal pressure sensor (0-1.6 bara)
	Feature {F} Fittings	
F1	1/4" VCR Fitting (inlet)	
Feature {G}	Power Lead	
	G0	UK
	G1	EU
	G2	US
	G3	China
G4	Australia	

DCS100 DEW-POINT CALIBRATION SYSTEM OPTIONS

Order Codes	Product / Description
Compressor System	
CMP-25-240	Compressor and reservoir to feed PSD-4
Pre-Dryer	
DCS-PRE	Domnick Hunter pre-dryer (to dry PSD-4 air supply to -40°Cdp)
Sensor Manifold	
DCS-MAN	Sensor Manifold (Manufactured to suit the customer's sensors typically in anodized aluminum for RH probes or 316 SS for dew-point sensors - Price available on request when sensors to be calibrated are fully defined)

DCS100 DEW-POINT CALIBRATION SYSTEM ACCESSORIES AND SPARE PARTS

Order Codes	Product / Description
PSD-4-FO	Outlet Millipore wafergard inline sealed particulate filter 0.003µm
PSD-4-FV	Vent particulate filter element 0.1µm

Ordering Example

PSD-4-STD+AC+VDS-3+S4K-TRS+232+240	PSD4 Ultra high performance Pressure Swing Dryer, 100 to 240 V AC, VDS3 Dew-Point Generator, S4000 TRS Dew-Point Hygrometer, RS232, 220 to 260 V AC
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Please note: Michell Instruments adopts a continuous development program which sometimes necessitates specification changes without notice. Please contact us for latest version. Issue No: DCS_97162_V8_UK_012023