

OPTIDEW 401

A precision chilled mirror hygrometer with a wide operating temperature range. A combination of high accuracy, with a durable dew-point sensor, PRT, 4-20mA output plus SD Card, and USB and RS485 communications as standard.

Product Parent Code: OPT401 Dew-Point Hygrometer (Bench Top)		
Product Ordering Code {Feature A}+{Feature B}+{Feature C}+{Feature D}+{Feature E}+{Feature F}+{Feature G}		
Feature	Item	Description
Feature {A}	Base Model	
	OPT401	Dew-Point Hygrometer (Bench Top)
Feature {B}	Case	
	GP5	Bench Top with Display
Feature {C}	Sensor	
	C1	POM Head, 1-Stage (-25 to 90°Cdp)
	C2	POM Head, 2-Stage (-40 to 90°Cdp)
	C3	Harsh Environment (PEEK) Head, 2-Stage (-40 to 120°Cdp)
Feature {D}	Calibration	
	D1	Standard Traceable DP Cal (4 calibration points)
	D2	UKAS / ISO17025 DP Cal (5 calibration points)
	D4	UKAS / ISO17025 RH Cal (5Pts @ one temperature)
Feature {E}	Cables for Dew Point and Temperature	
	E1	3m (Max 90°C) includes OPT2-PRT
	E2	5m (Max 90°C) includes OPT2-PRT
	E3	10m (Max 90°C) includes OPT2-PRT
	E4	20m (Max 90°C) includes OPT2-PRT
	E5	0.3m with local sensor mounting bracket includes OPT2-PRT
	E6	3m High temperature (max 120°C) includes OPT2-HTPRT
	E7	5m High temperature (max 120°C) includes OPT2-HTPRT
	E8	10m High temperature (max 120°C) includes OPT2-HTPRT
	E9	20m High temperature (max 120°C) includes OPT2-HTPRT
Feature {F}	Additional Communications	
	F5	RS485, USB & SD Card
	F6	RS485, Ethernet, USB & SD Card
Feature {G}	Power Lead	
	G1	UK
	G2	Europe/Brazil
	G3	USA
	G4	Australia
	G5	China
	G6	Japan
	G7	India
	G8	South Africa
	G9	Brazil
	G10	Israel

Ordering Example

OPT401+GP5+C3+D2+E1+F6+G3	Optidew 401 bench top chilled mirror hygrometer with display; PEEK sensor with 2-stage cooling; ISO17025 dew point calibration; 3m cables for dew point and temperature; RS485, Ethernet, USB & SD Card communications; USA power lead
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OPTIDEW401 EXTENDED CALIBRATION OPTIONS

Order Codes	Product / Description
CM-DPAP01	Additional calibration points for UKAS/ISO17025 calibration
CM-RHAP01	Additional calibration points for % RH (at the same temperature)
CM-RHAT	UKAS % RH calibration of 5 points (at an additional temperature - Please contact Michell before ordering)

OPTIDEW401/501 ACCESSORIES AND SPARE PARTS

Order Codes	Product / Description
OPT2-SSB	Sensor sampling block (SS with 1/8" NPT in/out threaded gas ports)
OPT2-ACHS	Extended Heatsink
OPT2-GUARD	Sintered Aluminium Guard, Anodised with Inert PTFE coating
OPT2-SM	Dew-point and temperature probe mounting bracket
OPT2-CASE	OPT401 transport case
OPT2-CONNECTORS	6 & 8 Way Plugs for Outputs/Alarms
GEN-SD-CARD	8GB SD card
OPT2-DS	M36 bonded seal for the dew-point sensor
OPT-SLK	Sensor lock nut (to mount sensor to panel or bulkhead)
Sensors	
OPT2-STD-1	Dew Point Sensor – 1 stage (POM)
OPT2-STD-2	Dew Point Sensor – 2 stage (POM)
OPT2-HES-2	Dew Point Sensor – 2 stage harsh environment (PEEK)
OPT2-PS16	Pressure Transmitter 0 to 160kPa(A) (0-1.6 barA)
OPT2-PS25	Pressure Transmitter 0 to 2500kPa(G) (0-25 barG)
OPT2-PRT	Ambient Temperature Sensor Max (90°C)
OPT2-HTPRT	High temp version PRT (Max measured value 120°C, probe and 0.5M flying lead rated 250°C, connector rated 120°C)
Cables	
OPT2-DPSC-AM	Cable (Dew Point Sensor) – 0.3m
OPT2-DPSC-03	Cable (Dew Point Sensor) – 3m
OPT2-DPSC-05	Cable (Dew Point Sensor) – 5m
OPT2-DPSC-10	Cable (Dew Point Sensor) – 10m
OPT2-DPSC-20	Cable (Dew Point Sensor) – 20m
OPT2-ASC-AM	Cable (Ambient Temp Sensor OR pressure sensor) – 0.3m
OPT2-ASC-03	Cable (Temp Sensor OR pressure sensor) – 3m
OPT2-ASC-05	Cable (Temp Sensor OR pressure sensor) – 5m
OPT2-ASC-10	Cable (Temp Sensor OR pressure sensor) – 10m
OPT2-ASC-20	Cable (Temp Sensor OR pressure sensor) – 20m
OPT2-HTSC-03	High temperature cable (Dew Point Sensor) – 3m (Max 120°C)
OPT2-HTSC-05	High temperature cable (Dew Point Sensor) – 5m (Max 120°C)
OPT2-HTSC-10	High temperature cable (Dew Point Sensor) – 10m (Max 120°C)
OPT2-HTSC-20	High temperature cable (Dew Point Sensor) – 20m (Max 120°C)
OPT2-HTASC-03	High temperature cable (Temp Sensor OR pressure sensor) – 3m (Max 120°C)
OPT2-HTASC-05	High temperature cable (Temp Sensor OR pressure sensor) – 5m (Max 120°C)
OPT2-HTASC-10	High temperature cable (Temp Sensor OR pressure sensor) – 10m (Max 120°C)
OPT2-HTASC-20	High temperature cable (Temp Sensor OR pressure sensor) – 20m (Max 120°C)

Please note: Michell Instruments adopts a continuous development program which sometimes necessitates specification changes without notice. Please contact us for latest version. Issue No: Optidew401_501_97552_V6_UK_0722