OPTIDEW 401

Optidew 401
Chilled mirror hygrometer. A combination of high accuracy wsith a durable dew point sensor, PRT, 4-20mA outputs plus SD card, USB and RS485 communications as standard

Base Model					
Optidew 401 Chilled mirror hygrometer. Bench top with display.	OPT401				
Sensor					
POM Head, 1-Stage (-25 to 90°Cdp)		A			
POM Head, 2-Stage (-40 to 90°Cdp)		B			
Harsh Environment (PEEK) Head, 2-Stage (-40 to 120°Cdp)		C			
Calibration					
Standard Traceable DP Cal (4 calibration points)			A		
UKAS / ISO17025 DP Cal (5 calibration points)			B		
UKAS / ISO17025 RH Cal (5Pts @ one temperature)			C		
Cables for Dew Point and Temperature					
3m (Max 90°C) includes OPT2-PRT				A	
5m (Max 90°C) includes OPT2-PRT				B	
10m (Max 90°C) includes OPT2-PRT				C	
20m (Max 90°C) includes OPT2-PRT				D	
0.3m with local sensor mounting bracket includes OPT2-PRT				E	
3m High temperature (max 120°C) includes OPT2-HTPRT				F	
5m High temperature (max 120°C) includes OPT2-HTPRT				G	
10m High temperature (max 120°C) includes OPT2-HTPRT				H	
20m High temperature (max 120°C) includes OPT2-HTPRT				J	
Digital Communications					
RS485, USB & SD Card					A
RS485, Ethernet, USB & SD Card					B

Ordering Example	
OPT401-CBAB	**Optidew 401 Chilled mirror hygrometer. Bench top with display.** **Harsh Environment (PEEK) Head, 2-Stage (-40 to 120°Cdp)** **UKAS / ISO17025 DP Cal (5 calibration points)** **3m (Max 90°C) includes OPT2-PRT** **RS485, Ethernet, USB & SD Card**

Optidew 401 Services	
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)

OPTIDEW 501

Optidew 501 **Chilled mirror hygrometer. A combination of high accuracy wsith a durable dew point sensor, PRT, 4-20mA outputs plus SD card, USB and RS485 communications as standard**					
Base Model					
Optidew 501 Chilled mirror hygrometer. A combination of high accuracy with a durable dew point sensor, PRT, 4-20mA outputs plus SD card, USB and RS485 communications as standard	OPT501				
Case					
Wall Mount with Display		A			
Wall Mount with Display IP65 (restricted to RS485 comms. only)		B			
Wall Mount Transmitter		C			
Wall Mount Transmitter IP65 (restricted to RS485 comms. only)		D			
Sensor					
POM Head, 1-Stage (-25 to 90°Cdp)			A		
POM Head, 2-Stage (-40 to 90°Cdp)			B		
Harsh Environment (PEEK) Head, 2-Stage (-40 to 120°Cdp)			C		
Calibration					
Standard Traceable DP Cal (4 calibration points)				A	
UKAS / ISO17025 DP Cal (5 calibration points)				B	
UKAS / ISO17025 RH Cal (5Pts @ one temperature)				C	
Cables for Dew Point and Temperature					
3m (Max 90°C) includes OPT2-PRT					A
5m (Max 90°C) includes OPT2-PRT					B
10m (Max 90°C) includes OPT2-PRT					C
20m (Max 90°C) includes OPT2-PRT					D
0.3m with local sensor mounting bracket includes OPT2-PRT					E
3m High temperature (max 120°C) includes OPT2-HTPRT					F
5m High temperature (max 120°C) includes OPT2-HTPRT					G
10m High temperature (max 120°C) includes OPT2-HTPRT					H
20m High temperature (max 120°C) includes OPT2-HTPRT					J
Digital Communications					
RS485 (MUST be selected for IP65 models)					A
RS485 + Ethernet					B
RS485 + SD Card (Only with Wall Mount with Display option)					C
RS485, Ethernet & SD card (Only with Wall Mount with Display option)					D

Ordering Example	
OPT501-BCBFA	**Optidew 501 Chilled mirror hygrometer. A combination of high accuracy with a durable dew point sensor, PRT, 4-20mA outputs plus SD card, USB and RS485 communications as standard** **Wall Mount with Display IP65 (restricted to RS485 comms. only)** **Harsh Environment (PEEK) Head, 2-Stage (-40 to 120°Cdp)** **UKAS / ISO17025 DP Cal (5 calibration points)** **3m High temperature (max 120°C) includes OPT2-HTPRT**

Optidew 401 Services	
CM-DPAP01	Additional calibration points for UKAS/ISO17025 calibration
Please note: Michell Instruments adopts a continuous development program which sometimes r	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)
CM-CLN-KIT	Mirror cleaning materials (required for periodic cleaning of sensor mirrors - fluids not included)
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_V7_UK_0625