

EASIDEW PRO I.S. DEW-POINT TRANSMITTER (FOR HAZARDOUS AREA)

For trace moisture measurements in gases and liquids & optional oxygen service
 IECEx, CSA, FM, ATEX certified dew-point transmitter for use in hazardous areas.

Product Parent Code: EPR-IS											
2-wire Dew-Point Transmitter, ATEX certified (with sintered guard)											
Product Ordering Code {Feature A}+{Feature B}+{Feature J}											
Feature	Item	Description									
Feature {A}	Base Model										
	EPR-IS	2-wire Dew-Point Transmitter, ATEX certified (with sintered guard)									
Feature {B}	Range										
	(-100/+20C)	-100 to +20°C (-148 to +68°F) dp range									
	(-110/+20C)	-110 to +20°C (-166 to +68°F) dp range									
	(v/wx-yz)	Non-standard measurement range: v = zero, w = full scale, x = unit, y = pressure, z = pressure unit <table border="0"> <tr> <td>Units (x)</td> <td>Pressure units (z)</td> </tr> <tr> <td>C = °C dew point</td> <td>PG = psig</td> </tr> <tr> <td>F = °F dew point</td> <td>PA = psia</td> </tr> <tr> <td>P = ppmV (ideal)</td> <td>BG = barg</td> </tr> <tr> <td></td> <td>BA = bara</td> </tr> </table> Natural Gas LA = lb/MMscf IGT MA = mg/m3 IGT NA = ppmV IGT LB = lbMMscf ISO MB = mg/m3 ISO NB = ppmV ISO Note: Pressure (y) is required for ppmV and all Natural Gas units. If omitted from the order code, atmospheric pressure (0 barg) will be assumed. Full names of natural gas standards: IGT = IGT Research Bulletin #8 ISO = ISO 18453 Example: 0/100NA-50BG = 0-100 ppmV IGT @ 50 bar gauge	Units (x)	Pressure units (z)	C = °C dew point	PG = psig	F = °F dew point	PA = psia	P = ppmV (ideal)	BG = barg	
Units (x)	Pressure units (z)										
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Feature {J}	Oxygen - cleaned for oxygen service (only if required)										
	J1	Cleaned for oxygen service (only available with D2)									

Ordering Example

EPR-IS+(-100/+20C) + J1	Easidew PRO I.S. Transmitter, 2-wire, ATEX certified with -100 to +20°C (-148 to +68°F) dp range, oxygen cleaned
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Product Parent Code: EPR-LQ-IS		
2-wire Moisture in Liquids Transmitter, IS certified. The EPR-LQ-IS requires programming with saturation constants on the liquid in which the measurement is to be made.		
Product Ordering Code {Feature A}+{Feature B}+{Feature C}		
Feature	Item	Description
Feature {A}	Base Model	
	EPR-LQ-IS	2-wire Moisture in Liquids Transmitter, IS certified. The EPR-LQ-IS requires programming with saturation constants on the liquid in which the measurement is to be made.
Feature {B}	Range	
	y/z	Programmed user-supplied values; (y = ppmW zero value / z = ppmW full scale value)
Feature {C}	Liquid	
	XX	Liquid identifier: 00 = 'User-Programmed' CS value, 01 = Methane, 02 = Propane, 03 = Ethane, 04 = Propylene, 05 = Ethylene, 06 = Butane, 07 = Isobutane, 08 = Pentane, 09 = Toluene, 10 = Cyclopentane

Ordering Example

EPR-LQ-IS+0/1000+00	Easidew PRO I.S. Transmitter for Moisture in Liquids, 2-wire, I.S. certified with 0-1000 ppmW and programmed user-supplied saturation constants
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EASIDEW PRO I.S. ACCESSORIES AND SPARE PARTS

Order Codes	Product / Description
Spares	
SSG	SS sintered guard replacement (for protection against fine particulates <80µm)
SSF-PF-10PK	Pack of 10 particulate filter cartridges (for protection against fine particulates < 0.1µm (for Sampler Kits))
GEN-LABEL	Additional/replacement transmitter labels (price per 2 off labels)
BS-58-PK5	5/8" UNF Bonded Seal for process connection (pack of 5)
EPR-SC	Green 4-way internal sensor connector
EPR-14127	O-ring for threaded sensor lid
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
CSB	5/8" UNF SS sample block (with 1/8" NPT inlet & outlet ports)
CSB-CL	5/8" UNF SS sample block (with 1/8" NPT inlet & outlet ports) cleaning for oxygen service
CSB-MC	Material certification for 5/8" UNF CSB Sample Block (no transfer or Distributor discounts)
EA2-SAM	5/8" UNF Sampler Kit (for atmospheric or pressure dp measurements, 145 psig/10 barg max)
GI-PF-01	KFDO-CS-EX1.50P galvanic isolator (Pepperl & Fuchs)
SB-58-QF	5/8" UNF Quick Fit Sample Block with DN7.2 Quick Connector for compressed air. Outlet vent to atmosphere
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)
EPR-BRK	Wall mounting bracket for Easidew PRO I.S.
DP-MC	BS EN 10204 – type 3.1 Material Certificates (No transfers or distributor discounts)
Electrical Accessories	
CEA-M20-NPT-B	Cable entry adapter M20 to 1/2" NPT, brass
CEA-M20-NPT-SS	Cable entry adapter M20 to 1/2" NPT, SS
CEA-M20-BSP-B	Cable entry adapter M20 to 1/2" BSP, brass
CEA-M20-BSP-SS	Cable entry adapter M20 to 1/2" BSP, SS
CG-M20-B	Hazardous area cable gland, brass ø3-8mm cable
CG-M20-SS	Hazardous area cable gland, SS ø3-8mm cable
EPR-IS-TAG	Standard 316 Stainless Steel Tag
EPR-LQ-IS-TAG	Standard 316 Stainless Steel Tag
EPR-IS-X-TX-TAG	Standard 316 Stainless Steel Tag
EPR-LQ-IS-X-TAG	Standard 316 Stainless Steel Tag

EASIDEW PRO I.S. ACCESSORIES AND SPARE PARTS

Order Codes	Product / Description	
Product Ordering Code {Feature A} + {Feature B}		
Feature	Item	Description
Feature {A}	Type	
	EAU-CK	Easidew & 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)

EASIDEW PRO I.S. SERVICES

Order Codes		Product / Description										
Product Ordering Code {Feature A}+{Feature B}												
Feature	Item	Description										
Feature {A}	Base Model											
	EPR-IS-X-TX	Service exchange, reconditioned Easidew PRO I.S. (supplied with traceable calibration certificate, old sensor to be returned to MIL in 21 days)										
Feature {B}	Range											
	(-100/+20C)	-100 to +20°C (-148 to +68°F) dp range										
	(-110/+20C)	-110 to +20°C (-166 to +68°F) dp range										
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	BA = bara											

Ordering Example

EPR-IS-X+(-100/+20C)	Service Exchange for Easidew PRO I.S., measurement range -100 to +20°C (-148 to +68°F) dp
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Order Codes		Product / Description
Product Ordering Code {Feature A}+{Feature B}+{Feature C}		
Feature	Item	Description
Feature {A}	Base Model	
	EPR-LQ-IS-X	Service exchange, reconditioned Easidew PRO I.S. (supplied with traceable calibration certificate, old sensor to be returned to MIL in 21 days)
Feature {B}	Range	
	y/z	Programmed user-supplied values; (y = ppmW zero value / z = ppmW full scale value)
Feature {C}	Liquid	
	XX	Liquid identifier: 00 = 'User-Programmed' CS value, 01 = Methane, 02 = Propane, 03 = Ethane, 04 = Propylene, 05 = Ethylene, 06 = Butane, 07 = Isobutane, 08 = Pentane, 09 = Toluene, 10 = Cyclopentane

Ordering Example

EPR-LQ-IS-X+0/1000+07	Service Exchange for Easidew PRO I.S. for moisture in liquids, measurement range 0/1000 ppmW in Isobutane
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EASIDEW PRO I.S. CALIBRATION SERVICES

EPR-IS-Recal	Recalibration of Easidew PRO I.S. (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: Easidew PRO IS_97208_V6.1_UK_1219