

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

For trace moisture measurements in gases.

IECEX, CSA, FM, ATEX certified dew-point transmitter for use in hazardous areas.

| Product Parent Code: EA2-IS-TX | | |
|--|---|--|
| Easidew Hazardous Area Transmitter (2-wire, 4-20 mA) | | |
| Product Ordering Code {Feature A}+{Feature B}+{Feature C}+{Feature D}+{Feature J} | | |
| Feature | Item | Description |
| Feature {A} | Base Model | |
| | EA2-IS-TX | Easidew Hazardous Area Transmitter (2-wire, 4-20 mA) |
| 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 | -100 to +20°C (-148 to +68°F) dp range |
| | C2 | -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 Units (x) C = °C dew point F = °F dew point P = ppmV (ideal) Natural Gas LA = lb/MMscf IGT MA = mg/m3 IGT NA = ppmV IGT LB = lbMMscf ISO MB = mg/m3 ISO NB = ppmV ISO Pressure units (z) PG = psig PA = psia BG = barg BA = bara 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 |
| | Protection | |
| D1 | Standard HDPE guard (for protection against fine particulates (<10 µm)) | |
| D2 | SS sintered guard (for protection against fine particulates (<80 µm)) | |
| Feature {J} | Oxygen - cleaned for oxygen service (only if required) | |
| | J1 | Cleaned for oxygen service (only available with D2) |

Ordering Example

| | |
|--------------------------------------|---|
| EA2-IS-TX+B1+(-80/+20C)+D1+J1 | Easidew IS with G 1/2" BSP process connection, -80 to +20°Cdp range and HDPE guard, oxygen cleaned |
|--------------------------------------|---|

EASIDEW I.S. DEW-POINT TRANSMITTER ACCESSORIES AND SPARE PARTS

| Order Codes | Product / Description | Process Connection | | |
|---------------|--|--------------------|-----------|-----------|
| | | G1/2" BSP | 3/4 " UNF | 5/8 " UNF |
| Spares | | | | |
| EA2-HDPE | Pack of 10 replacement HDPE guards (for protection against fine particulates <10µm) | ✓ | ✓ | ✓ |
| 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-12-PK5 | G1/2" Bonded Seal for process connection (pack of 5) | ✓ | | |
| OR-34-PK5 | 3/4" UNF Viton O-ring for process connection (pack of 5) | | ✓ | |
| BS-58-PK5 | 5/8" UNF Bonded Seal 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 | | | ✓ |
| APT-KF40-34 | KF40 Adaptor Flange for 3/4 UNF Sensors | | ✓ | |
| APT-KF40-58 | KF40 Adaptor Flange for 5/8 UNF Sensors | | | ✓ |
| SB12-MC | Material certification for G1/2" UNF SB-12 Sample Block (no transfer or Distributor discounts) | ✓ | | |
| SB-12-CL | G1/2" SS sample block (with 1/8" NPT inlet & outlet ports) cleaning for oxygen service | ✓ | | |
| 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 | | | ✓ |
| A000351 | G1/2" SS sample block with filter (with 1/8" BSP and 1/4" BSP ports) | ✓ | | |
| SB-34 | 3/4"UNF SS sample block (with 1/8" NPT inlet & outlet ports) | | ✓ | |
| SB-34-CL | 3/4" UNF SS sample block (with 1/8" NPT inlet & outlet ports) cleaning for oxygen service | | ✓ | |
| SB34-MC | Material certification for 3/4" UNF SB-34 Sample Block (no transfer or Distributor discounts) | | ✓ | |
| 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) | | | ✓ |
| 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 | | | | |
| GI-PF-01 | KFD0-CS-EX1.50P galvanic isolator (Pepperl & Fuchs) | ✓ | ✓ | ✓ |
| EA2-OL-MON+AC | Easidew Online Monitor with 85 to 265 V AC power supply For use in safe area (NOT hazardous) | ✓ | ✓ | ✓ |
| DP-MC | BS EN 10204 – type 3.1 Material Certificates (No transfers or distributor discounts) | ✓ | ✓ | ✓ |
| 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 | ✓ | ✓ | ✓ |
| Other cable lengths available upon request | | | | |

EASIDEW I.S. 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) |

EASIDEW I.S. DEW-POINT TRANSMITTER SERVICES

| Order Codes | Product / Description | | | | | | | | | | | |
|--|---------------------------|--|------------------|---------------------------|------------------|-----------|------------------|-----------|------------------|-----------|--|-----------|
| Product Ordering Code {Feature A}+{Feature B}+{Feature C}+{Feature D} | | | | | | | | | | | | |
| Feature {A} | Base Model | | | | | | | | | | | |
| | EA2-IS-TX-X | Service exchange, reconditioned Easidew IS (supplied with traceable calibration certificate. Old sensor to be returned to MIL in 21 days) | | | | | | | | | | |
| 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 | -100 to +20°C (-148 to +68°F) dp range | | | | | | | | | | |
| | C2 | -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 | | BA = bara |
| Units (x) | Pressure units (z) | | | | | | | | | | | |
| C = °C dew point | PG = psig | | | | | | | | | | | |
| F = °F dew point | PA = psia | | | | | | | | | | | |
| P = ppmV (ideal) | BG = barg | | | | | | | | | | | |
| | BA = bara | | | | | | | | | | | |
| Feature {D} | Protection | | | | | | | | | | | |
| | D1 | Standard HDPE guard (for protection against fine particulates (<10 µm)) | | | | | | | | | | |
| | D2 | SS sintered guard (for protection against fine particulates (<80 µm)) | | | | | | | | | | |

Ordering Example

| | |
|------------------------------------|--|
| EA2-IS-TX-X+B1+(-80+20C)+D1 | Service Exchange for Easidew IS Transmitter with G 1/2" BSP process connection, -80 to +20°Cdp range and HDPE guard |
|------------------------------------|--|

EASIDEW I.S. CALIBRATION SERVICES

| | |
|--------------|---|
| EA2-IS-Recal | Recalibration of Easidew 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 TX IS_97168_V4_UK_0221