

## EASIDEW PRO XP - EXPLOSION PROOF MOISTURE TRANSMITTER

For moisture measurements in gases and liquids & optional oxygen service  
Global explosion proof and flameproof certifications.

<b>Product Parent Code: EA-XP-TX</b>												
<b>Easidew PRO XP for gases</b>												
<b>Product Ordering Code {Feature A}+{Feature B}+{Feature C}...+{Feature X}</b>												
Feature	Item	Description										
<b>Feature {A}</b>	<b>Base Model</b>											
	EA-XP-TX	Easidew PRO XP for gases										
<b>Feature {B}</b>	<b>Display</b>											
	EX1	No Display										
	EX2	With Display										
<b>Feature {C}</b>	<b>Protection</b>											
	C1	SS Sintered Guard (for protection against fine particulates >80µm)										
	C2	Standard HDPE guard (for protection against fine particulates >10µm)										
<b>Feature {D}</b>	<b>Sampling</b>											
	D1	No Sample Block										
	D2	SS Sample Block with 3/4"UNF sensor connection										
<b>Feature {E}</b>	<b>Bracket</b>											
	E1	No Bracket										
	E2	Pipe Mounting Bracket										
<b>Feature {F}</b>	<b>Certificates</b>											
	* F1	No Material Certificates										
	* F2	BS EN 10204 – type 3.1 Material Certificates										
	* F3	BS EN 10204 – type 3.1 Material Certificates + NACE conformity										
<b>Feature {G}</b>	<b>Housing</b>											
	G1	Aluminium (ATEX/IECEX/UKCA, cQPSus Class & Div, Class Zones)										
	G2	316 Stainless Steel (ATEX/IECEX/UKCA, cQPSus Class & Div ONLY)										
<b>Feature {H}</b>	<b>Range</b>											
	H1	-110 to +20°C (-166 to +68°F) dp range										
	H2	-100 to +20°C (-148 to +68°F) dp range										
		Non-standard measurement range: v = zero, w = full scale, x = unit, y = pressure, z = pressure unit										
		<table border="0"> <tr> <td><b>Units (x)</b></td> <td><b>Pressure units (z)</b></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>	<b>Units (x)</b>	<b>Pressure units (z)</b>	C = °C dew point	PG = psig	F = °F dew point	PA = psia	P = ppmV (ideal)	BG = barg		BA = bara
	<b>Units (x)</b>	<b>Pressure units (z)</b>										
	C = °C dew point	PG = psig										
	F = °F dew point	PA = psia										
	P = ppmV (ideal)	BG = barg										
		BA = bara										
(v/wx-yz)	Natural Gas LA = lb/MMscf IGT MA = mg/m <sup>3</sup> IGT NA = ppmV IGT LB = lbMMscf ISO MB = mg/m <sup>3</sup> ISO NB = ppmV ISO											
	<b>Note:</b> Pressure (y) is required for ppmV and all Natural Gas units. If omitted from the order code, atmospheric pressure (0 barg) will be assumed.											
	<b>Full names of natural gas standards:</b> IGT = IGT Research Bulletin #8 ISO = ISO 18453											
	<b>Example:</b> 0/100NA-50BG = 0-100 ppmV IGT @ 50 bar gauge											
<b>Feature {J}</b>	<b>Oxygen - cleaned for oxygen service (only if required)</b>											
	J1	Cleaned for oxygen service (only available with C1)										
	J2	Kalrez o-ring for aromatic service										
<b>Feature {X}</b>	<b>Conforming Coating - Optional</b>											
	CC	Conformal Coating										

**\* On certain labor intensive services, no discount can be offered. These items are always offered at list price.**

### Ordering Example

<b>EA-XP-TX + EX1+ C1+ D2+ E1+ F1+ G1+ H1 + J1</b>	<b>Easidew PRO XP with no display, SS sintered guard, sample block, no bracket, no material certificates, aluminium housing, -110/+20°C DP, oxygen cleaned</b>
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## Humidity and Dew-Point Instruments

Product Parent Code: EA-XP-LQ-TX Easidew PRO XP for liquids		
Product Ordering Code {Feature A}+{Feature B}+{Feature C}...+{Feature X}		
Feature	Item	Description
Feature {A}	<b>Base Model</b>	
	EA-XP-LQ-TX	Easidew PRO XP for liquids
Feature {B}	<b>Display</b>	
	EX1	No Display
	EX2	With Display
Feature {C}	<b>Protection</b>	
	C1	SS Sintered Guard (for protection against fine particulates >80µm)
	C2	Standard HDPE guard (for protection against fine particulates >10µm)
Feature {D}	<b>Sampling</b>	
	D1	No Sample Block
	D2	SS Sample Block with 3/4"UNF sensor connection
Feature {E}	<b>Bracket</b>	
	E1	No Bracket
	E2	Pipe Mounting Bracket
Feature {F}	<b>Certificates</b>	
	* F1	No Material Certificates
	* F2	BS EN 10204 – type 3.1 Material Certificates
	* F3	BS EN 10204 – type 3.1 Material Certificates + NACE conformity
Feature {G}	<b>Housing</b>	
	G1	Aluminium (ATEX/IECEX/UKCA, cQPSus Class & Div, Class Zones)
	G2	316 Stainless Steel (ATEX/IECEX/UKCA, cQPSus Class & Div ONLY)
Feature {H}	<b>Range</b>	
	(y/z)	Programmed user-supplied values; (y = ppmW zero value / z = ppmW full scale value)
Feature {I}	<b>Liquids</b>	
	I01	Methane
	I02	Propane
	I03	Ethane
	I04	Propylene
	I05	Ethylene
	I06	Butane
	I07	Isobutane
	I08	Pentane
	I09	Toluene
	I10	Cyclopentane
Feature {J}	<b>Process Connection O Rings</b>	
	J1	Viton o-ring
	J2	Kalrez o-ring for aromatic service
	Note: Option J1 supplied as standard unless J2 specifically request	
Feature {X}	<b>Conforming Coating - Optional</b>	
	CC	Conformal Coating

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### Ordering Example

EA-XP-LQ-TX + EX1+ C1+ D2+ E2+ F1+ G1+ H1+ I04	Easidew PRO XP (LQ) with no display, SS sintered guard, sample block, mounting bracket, no material certificates, aluminium housing, 0 to 300 ppmW in propylene
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## EASIDEW PRO XP ACCESSORIES AND SPARE PARTS

Order Codes	Product / Description
<b>Spares</b>	
XP-BRK	Mounting bracket
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))
OR-34-PK5	3/4" UNF Viton O-ring for process connection (pack of 5)
OR-34-KAL-PK1	Kalrez O-Ring for 3/4" UNF Process Connection (pack of 1)
XP-DIS-RK	Easidew PRO XP Replacement Display Module Kit
<b>Sampling Accessories</b>	
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
EA-XP-TX-TAG	Standard 316 Stainless Steel Tag
EA-XP-LQ-TX-TAG	Standard 316 Stainless Steel Tag

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**EASIDEW PRO XP SERVICES**

<b>Product Parent Code: EA-XP-TX-X</b>		
<b>Easidew Service Exchange PRO XP for gases</b>		
<b>Product Ordering Code {Feature A}+{Feature B}+{Feature C}...+{Feature X}</b>		
<b>Feature</b>	<b>Item</b>	<b>Description</b>
<b>Feature {A}</b>	<b>Base Model</b>	
	EA-XP-TX-X	Service Exchange, Easidew PRO XP for gases
<b>Feature {B}</b>	<b>Display</b>	
	EX1	No Display
	EX2	With Display
<b>Feature {C}</b>	<b>Protection</b>	
	C1	SS Sintered Guard (for protection against fine particulates >80µm)
	C2	Standard HDPE guard (for protection against fine particulates >10µm)
<b>Feature {D}</b>	<b>Sampling</b>	
	D1	No Sample Block
	D2	SS Sample Block with 3/4"UNF sensor connection
<b>Feature {E}</b>	<b>Bracket</b>	
	E1	No Bracket
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<b>Feature {F}</b>	<b>Certificates</b>	
	* F1	No Material Certificates
	* F2	BS EN 10204 – type 3.1 Material Certificates
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<b>Feature {G}</b>	<b>Housing</b>	
	G1	Aluminium (ATEX/IECEX/UKCA, cQPSus Class & Div, Class Zones)
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<b>Feature {H}</b>	<b>Range</b>	
	H1	-110 to +20°C (-166 to +68°F) dp range
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	(v/wx-yz)	<p><b>Units (x)</b></p> <p>C = °C dew point F = °F dew point P = ppmV (ideal)</p> <p><b>Pressure units (z)</b></p> <p>PG = psig PA = psia BG = barg BA = bara</p> <p>Natural Gas LA = lb/MMscf IGT NA = mg/m<sup>3</sup> IGT NB = ppmV IGT LB = lbMMscf ISO MB = mg/m<sup>3</sup> ISO NB = ppmV ISO</p> <p><b>Note:</b> Pressure (y) is required for ppmV and all Natural Gas units. If omitted from the order code, atmospheric pressure (0 barg) will be assumed.</p> <p><b>Full names of natural gas standards:</b> IGT = IGT Research Bulletin #8 ISO = ISO 18453 <b>Example:</b> 0/100NA-50BG = 0-100 ppmV IGT @ 50 bar gauge</p>
<b>Feature {J}</b>	<b>Oxygen - cleaned for oxygen service (only if required)</b>	
	J1	Cleaned for oxygen service (only available with C1)
<b>Feature {X}</b>	<b>Conforming Coating - Optional</b>	
	CC	Conformal Coating
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## Humidity and Dew-Point Instruments

Product Parent Code: XP-LQ-X Easidew Service Exchange PRO XP for liquids		
Product Ordering Code {Feature A}+{Feature B}+{Feature C}...+{Feature X}		
Feature	Item	Description
Feature {A}	<b>Base Model</b>	
	XP-LQ-X	Service Exchange, Easidew PRO XP for liquids
Feature {B}	<b>Display</b>	
	EX1	No Display
	EX2	With Display
Feature {C}	<b>Protection</b>	
	C1	SS Sintered Guard (for protection against fine particulates >80µm)
	C2	Standard HDPE guard (for protection against fine particulates >10µm)
Feature {D}	<b>Sampling</b>	
	D1	No Sample Block
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	I04	Propylene
	I05	Ethylene
	I06	Butane
	I07	Isobutane
	I08	Pentane
	I09	Toluene
	I10	Cyclopentane
Feature {J}	<b>Process Connection O Rings</b>	
	J1	Viton o-ring
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Feature {X}	<b>Conforming Coating - Optional</b>	
	CC	Conformal Coating

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### Ordering Example

XP-LQ-X + EX1+ C1+ D2+ E2+ F1+ G1+ H1+ I04	Service Exchange, Easidew PRO XP (LQ) with no display, SS sintered guard, sample block, mounting bracket, no material certificates, aluminium housing, 0 to 300 ppmW in propylene
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## EASIDEW PRO XP CALIBRATION SERVICES

Order Codes	Product / Description
XP-Recal	Recalibration of Easidew PRO XP (Supplied with traceable calibration certificate)
XP-LQ-Recal	Recalibration of Easidew PRO XP LQ (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 XP\_97459\_V11\_UK\_0223