PROMET EExd

A complete moisture measurement package for critical process gas applications.

Product Parent Code: PT-MON **Promet EExd - Main Unit**		
Product Ordering Code {Feature A}+{Feature B}+{Feature C}+{Feature D}+{Feature M}		
Feature	**Item**	**Description**
Feature {A}	**Base Model**	
	PT-MON	A complete moisture measurement package for critical process gas applications.
Feature {B}	**Channel**	
	B3	Single moisture measurement channel operation (including flow alarm) 60 barg maximum
	B4	Two moisture measurement channel operation (including flow alarm) 60 barg maximum
	B5	Single moisture measurement channel operation (including flow alarm) 138 barg maximum
	B6	Two moisture measurement channel operation (including flow alarm) 138 barg maximum
Feature {C}	**Hazardous Configurations**	
	C1	ATEX/IECEx certified system
	C2	North American certified
Feature {D}	**Channel**	
	D1	IGT Bulletin #8 natural gas moisture calculation
	D2	ISO18453 natural gas moisture calculation
Feature {M}	**Material Certification (No transfer or distributors discounts)**	
	M0	No material certification
	M1	Material certificate to BS EN 10204 – type 3.1
	M2	Material certificate to BS EN 10204 – type 3.1 + NACE MR0175 Conformity

Product Parent Code: PT-SYS-I/PT-SYS-M **Premium Sampling System**		
Product Ordering Code {Feature A}+{Feature B}+{Feature C}+{Feature D}+{Feature E}+{Feature F}+{Feature G}+{Feature M}		
Feature	**Item**	**Description**
Feature {A}	**Base Model**	
	PT-SYS-I	Base Unit - Imperial (1/4") tube and fittings
	PT-SYS-M	Base Unit - Metric (6mm) tube and fittings
Feature {AB}	**Analyzer**	
	AB9	Single moisture measurement channel operation IGT - ATEX/IECEx certified 60 barg maximum
	AB10	Single moisture measurement channel operation ISO - ATEX/IECEx certified 60 barg maximum
	AB11	Two moisture measurement channel operation IGT - ATEX/IECEx certified 60 barg maximum
	AB12	Two moisture measurement channel operation ISO - ATEX/IECEx certified 60 barg maximum
	AB13	Single moisture measurement channel operation IGT - ATEX/IECEx certified 138 barg maximum
	AB14	Single moisture measurement channel operation ISO - ATEX/IECEx certified 138 barg maximum
	AB15	Two moisture measurement channel operation IGT - ATEX/IECEx certified 138 barg maximum
	AB16	Two moisture measurement channel operation ISO - ATEX/IECEx certified 138 barg maximum
	AB17	Single moisture measurement channel operation IGT - North American certified 60 barg maximum
	AB18	Single moisture measurement channel operation ISO - North American certified 60 barg maximum
	AB19	Two moisture measurement channel operation IGT - North American certified 60 barg maximum
	AB20	Two moisture measurement channel operation ISO - North American certified 60 barg maximum
	AB21	Single moisture measurement channel operation IGT - North American certified 138 barg maximum
	AB22	Single moisture measurement channel operation ISO - North American certified 138 barg maximum
	AB23	Two moisture measurement channel operation IGT - North American certified 138 barg maximum
	AB24	Two moisture measurement channel operation ISO -North American certified 138 barg maximum
Feature {B}	**Hazardous Configurations**	
	B1	ATEX/IECEx certified 240VAC
	B2	North American Certified (Class 1 Div 2) 110VAC
	B3	ATEX/IECEx certified 110VAC
Feature {C}	**Channel**	
	C1	1000 psig/69 barg inlet pressure, 1 channel (Natural gas applications)
	C2	2000 psig/138 barg inlet pressure, 1 channel (Natural gas applications)
	C3	1000 psig/69 barg inlet pressure, 2 channel (Natural gas applications)
	C4	2000 psig/138 barg inlet pressure, 2 channel (Natural gas applications)
	C5	1000 psig/69 barg inlet pressure, 1 channel (Trace moisture applications)
	C6	2000 psig/138 barg inlet pressure, 1 channel (Trace moisture applications)
	C7	1000 psig/69 barg inlet pressure, 2 channel (Trace moisture applications)
	C8	2000 psig/138 barg inlet pressure, 2 channel (Trace moisture applications)

Feature {D}	**Enclosure**	
	D1	Standard indoor sampling system (316SS mounting plate) - 1 channel
	D2	Standard indoor sampling system (316SS mounting plate) - 2 channel
	D3	Standard outdoor sampling system (with 304 SS enclosure), IP66/NEMA 4 - 1 channel
	D4	Standard outdoor sampling system (with 304 SS enclosure), IP66/NEMA 4 - 2 channel
	D5	Standard outdoor sampling system (with 316 SS enclosure), IP66/NEMA 4 - 1 channel
	D6	Standard outdoor sampling system (with 316 SS enclosure), IP66/NEMA 4 - 2 channel
Feature {E}	**Heating (Outdoor systems only)**	
	E0	No Heater required
	E1	240VAC Fixed 20°C, 1 channel
	E2	110VAC Fixed 20°C, 1 channel
	E3	240VAC Adj 0-60°C (ATEX/IECEx), 1 channel
	E4	110VAC Adj 0-60°C (ATEX/IECEx), 1 channel
	E5	240VAC Fixed 40°C (not for use with F6), 1 channel
	E6	110VAC Fixed 40°C (not for use with F6), 1 channel
	E7	240VAC Fixed 20°C, 2 channel
	E8	110VAC Fixed 20°C, 2 channel
	E9	240VAC adjustable 0-60°C (ATEX/IECEx), 2 channel
	E10	110VAC adjustable 0-60°C (ATEX/IECEx), 2 channel
	E11	240VAC Fixed 40°C (not for use with F6), 2 channel
	E12	110VAC Fixed 40°C (not for use with F6), 2 channel
Feature {F}	**Enclosure Cooling**	
	F0	No cooling required
	F4	240VAC (ATEX/IECEx) Enclosure cooling required ≥ 45°C ambient (Adjustable setpoint, instrument air supply required)
	F5	110VAC (ATEX/IECEx) Enclosure cooling required ≥ 45°C ambient (Adjustable setpoint, instrument air supply required)
	F6	Enclosure cooling (mechanical control) for temperature 45°C max. ambient (instrument air supply required)
Feature {G}	**Heat Trace Line Channel 1**	
	G0	No heat trace option
	G1	240VAC 3m trace heated sample line assembly (6mm O.D. AISI 316)
	G2	240VAC 3m trace heated sample line assembly (1/4" O.D. AISI 316)
	G3	110VAC 3m trace heated sample line assembly (6mm O.D. AISI 316)
	G4	110VAC 3m trace heated sample line assembly (1/4" O.D. AISI 316)
		For systems needing > 3m trace heated sample line (max. 15m) - contact Michell Instruments
Feature {H}	**Heat Trace Line Channel 2 (Only applicable to 2 channel version)**	
	H0	No heat trace option
	H1	240VAC 3m trace heated sample line assembly (6mm O.D. AISI 316)
	H2	240VAC 3m trace heated sample line assembly (1/4" O.D. AISI 316)
	H3	110VAC 3m trace heated sample line assembly (6mm O.D. AISI 316)
	H4	110VAC 3m trace heated sample line assembly (1/4" O.D. AISI 316)
		For systems needing > 3m trace heated sample line (max. 15m) - contact Michell Instruments
Feature {M}	**Material Certification (No transfer or distributors discounts)**	
	M0	No material certification
	M1	Material certificate to BS EN 10204 – type 3.1
	M2	Material certificate to BS EN 10204 – type 3.1 + NACE MR0175 Conformity

NOTE: Due to the limited number of control station cable entries available; for two channel systems which require enclosure heating, vortex cooling and electrical heat trace lines, only Enclosure Cooling Option F6 (Mechanical Enclosure Cooling) can be offered.

Ordering Example

PT-MON+B3+C1+D2+M0	**Promet EExd Analyzer, single moisture measurement channel operation (including flow alarm) 60 barg maximum, ATEX certified, ISO, no material certificates**
PT-SYS-M +AB4+B1+C3+D6+E1+F0+ G1+H1+M0	**Promet EExd Analyzer, metric tubing, two moisture measurement channel operation ISO, ATEX, 1000 PSI Natural Gas application, Outdoor 316SS enclosure, 20C Fixed heating, no cooling, 240VAC heat trace 3m Channel 1, 240VAC heat trace 3m Channel 2, no material certificates**

PROMET EExd ACCESSORIES, SPARE PARTS AND SERVICES

Order Codes	Product / Description
PT-HPR-240	Stand alone heated pressure reduction system 240VAC (300 barg/4350 psig inlet, max 507psig/35barg outlet) - ATEX only
PT-HPR-115	Stand alone heated pressure reduction system 115VAC (300 barg/4350 psig inlet, max 507psig/35barg outlet) - ATEX only
PT-SYS-SC	Michell standard mounting frame, floor standing with sun canopy and three sides- 316 box section construction with roof and side panels
** PT-FAT1	One day FAT pre-delivery inspection / or first day of inspection
** PT-FAT2	Each consecutive day of FAT pre-delivery inspection
** GEN-FAT-ST8	FAT 8 hour stability test
** GEN-FAT-ST12	FAT 12 hour stability test
** GEN-FAT-ST24	FAT 24 hour stability test
* SP-MC	Material Certificates for spare parts
* PT-DOC	Documentation package (per individual system (to Michell Standard SDR list))
* PT-DOC-E	Electronic documentation package (per individual system (to Michell Standard SDR list))
* PT-DOC-ADH	Duplicate of DOC package (each hard copy)
* PT-DOC-ADS	Duplicate of DOC package (each soft copy (CDROM))
* PT-DOC-ADE	Duplicate of DOC-E package (on CDROM)
* PT-DOC-CVDR	Documentation package for customer specific VDR
* PT-DOC-CP	Document package on customer headed paper (per individual system (to Michell Standard SDR list))
* PT-DOC-CP-ADH	Duplicate of DOC package on customer headed paper (each hard copy)
* PT-DOC-CP-ADS	Duplicate of DOC package on customer headed paper (each soft copy (CDROM))
* PT-DRG	Drawings for approval before build
* PT-COM	Commissioning & training on-site (as engineer rates price list)
* PT-MON-PAC	Packing for Main Unit only (crate for air, sea and road)
* PT-SYS-PAC1	Packing for Main Unit with 1 or 2 channel Sampling System (crate for air, sea & road)
PTS-WDC	Water dew-point sensor assembly (with pressure transmitter)
PTS-SX-WDC	As above but service calibration exchange replacement
Consumable items - C1 and C4 sampling systems only:	
PT-SFK	Filter kit for Coalescer and Membrane Separator - each
PTS-GAC	Glycol adsorption cartridges - pack of 10
Consumable items - C5 and C8 sampling systems only:	
PTS-PFT	Particulate filter element - each

Please note: Michell Instruments adopts a continuous development program which sometimes necessitates specification changes without notice. Please contact us for latest version. Issue No: Promet EExd_97265_V7_UK_0221