

Promet I.S.

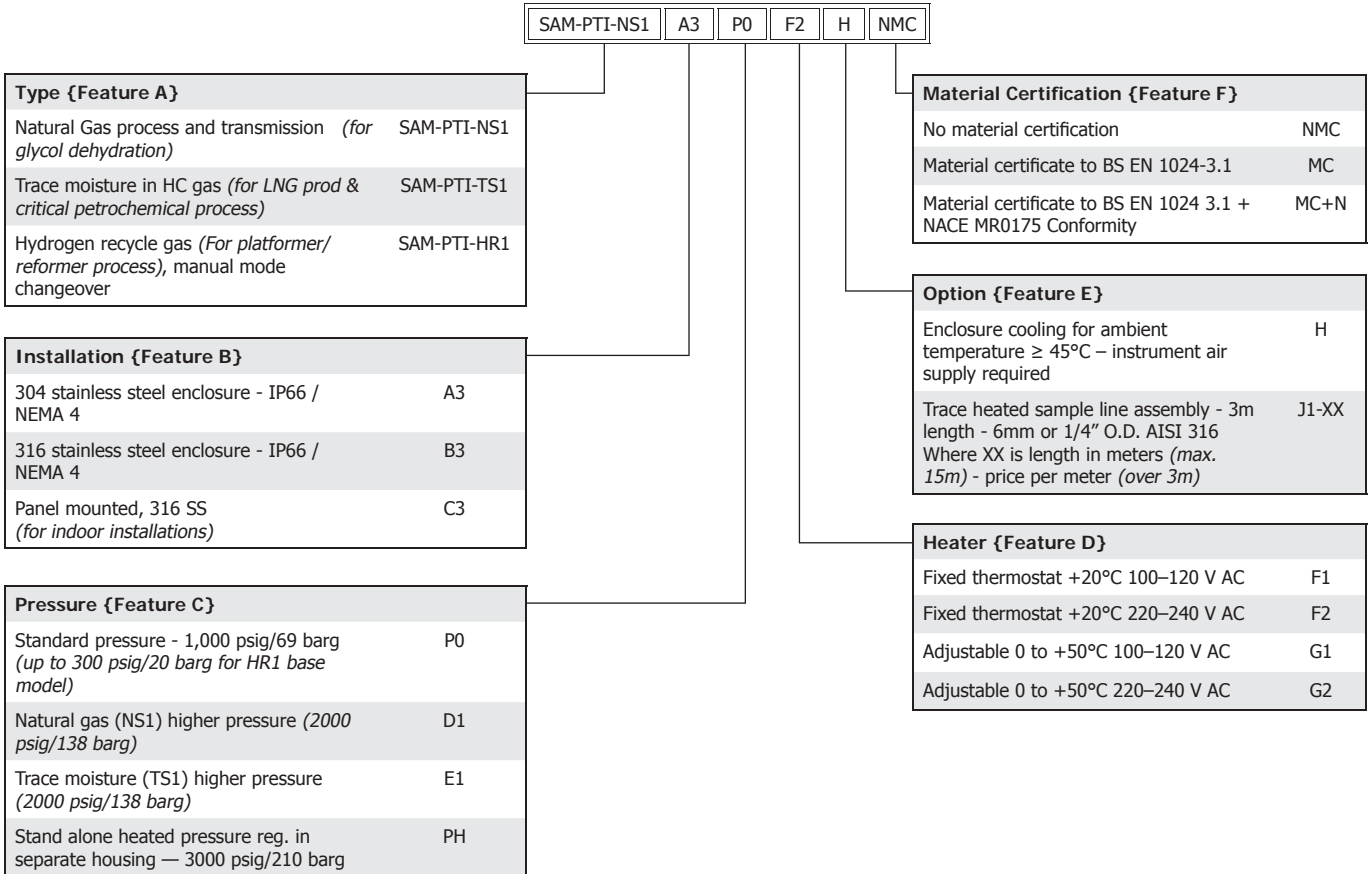
Order Codes

Process Moisture Analyzer

For one and more channel measurement, see multi-channel process moisture analyzer (MCU) order codes below.

Premium Sampling System

Order example: SAM-PTI-NS1 + A3 + P0 + F2 + H – Promet I.S. Premium sampling system for natural gas process & transmission, 304 stainless steel enclosure - IP66 / NEMA 4, standard pressure - 1,000 psig/69 barg, fixed thermostat 20°C, 220-240 V AC heater, Enclosure cooling for ambient temp ≥ 45°C

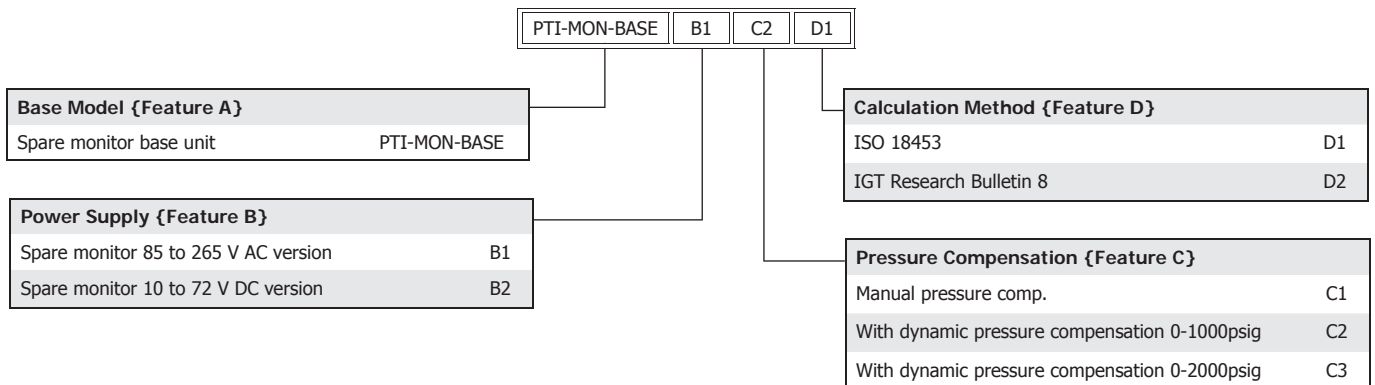


Spare Monitor

Promet I.S. Monitor - Spare Unit

Order example: PTI-MON-BASE + B1 + C2 + D1

Spare monitor base unit, 85-265 V AC version with dynamic pressure compensation 0-1000psig, calibrated to ISO 18453



Multi-channel Process Moisture Analyzer

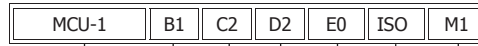
Order Codes

MCU: Promet I.S. & Liquidew I.S. Multi-Channel Unit & Sensors

(combination of up to 4 channels, each channel has independent measurement, electronics, moisture sensors & sampling block)

Order example: MCU-1 + B1 + C2 + D2 + E0 + ISO + M1

Multi-channel Process Moisture Analyzer, AC version, ATEX/IECEX certified, 2 x Gas measurement (Promet I.S.) channels, ISO 18453, material certificate to BS EN 10204 3.1



Type {Feature A}	
85 to 265 V AC	MCU-1
10 to 72 V DC	MCU-2

Configuration Channel 1 {Feature B}	
Gas measurement (Promet I.S.)	B1
Gas measurement (Promet I.S.) (with dynamic pressure compensation {pressure transmitter included, range 0-1000 psig/0-69 barg})* ATEX/IECEX certified	B2
Gas measurement (Promet I.S.) (with dynamic pressure compensation {pressure transmitter included, range 0-1000 psig/0-69 barg})* CSA certified	B3
Gas measurement (Promet I.S.) (with dynamic pressure compensation {pressure transmitter included, range 0-2000 psig/0-138 barg})* ATEX/IECEX certified	B4
Gas measurement (Promet I.S.) (with dynamic pressure compensation {pressure transmitter included, range 0-2000 psig/0-138 barg})* CSA certified	B5
Liquid measurement (Liquidew I.S.) ATEX/IECEX certified	B6
Liquid measurement (Liquidew I.S.) CSA certified	B7

Configuration Channel 2 {Feature C}	
Blank channel for future expansion (with front cover, connectors and internal wiring loom)	C0
Gas measurement (Promet I.S.)	C1
Gas measurement (Promet I.S.) (with dynamic pressure compensation {pressure transmitter included, range 0-1000 psig/0-69 barg})* ATEX/IECEX certified	C2
Gas measurement (Promet I.S.) (with dynamic pressure compensation {pressure transmitter included, range 0-1000 psig/0-69 barg})* CSA certified	C3
Gas measurement (Promet I.S.) (with dynamic pressure compensation {pressure transmitter included, range 0-2000 psig/0-138 barg})* ATEX/IECEX certified	C4
Gas measurement (Promet I.S.) (with dynamic pressure compensation {pressure transmitter included, range 0-2000 psig/0-138 barg})* CSA certified	C5
Liquid measurement (Liquidew I.S.) ATEX/IECEX certified	C6
Liquid measurement (Liquidew I.S.) CSA certified	C7

Material Certification {Feature M}	
No material certification	M0
Material certificate to BS EN 10204-3.1	M1
Material certificate to BS EN 10204 3.1 + NACE MR0175 Conformity (Promet I.S. Only)	M2

Calculation {Feature F}	
ISO18453 natural gas moisture calculation (Promet only)	ISO
IGT#8 natural gas moisture calculation (Promet only)	IGT

Configuration Channel 4 {Feature E}	
Blank channel for future expansion (with front cover, connectors and internal wiring loom)	E0
Gas measurement (Promet I.S.)	E1
Gas measurement (Promet I.S.) (with dynamic pressure compensation {pressure transmitter included, range 0-1000 psig/0-69 barg})* ATEX/IECEX certified	E2
Gas measurement (Promet I.S.) (with dynamic pressure compensation {pressure transmitter included, range 0-1000 psig/0-69 barg})* CSA certified	E3
Gas measurement (Promet I.S.) (with dynamic pressure compensation {pressure transmitter included, range 0-2000 psig/0-138 barg})* ATEX/IECEX certified	E4
Gas measurement (Promet I.S.) (with dynamic pressure compensation {pressure transmitter included, range 0-2000 psig/0-138 barg})* CSA certified	E5
Liquid measurement (Liquidew I.S.) ATEX/IECEX certified	E6
Liquid measurement (Liquidew I.S.) CSA certified	E7

Configuration Channel 3 {Feature D}	
Blank channel for future expansion (with front cover, connectors and internal wiring loom)	D0
Gas measurement (Promet I.S.)	D1
Gas measurement (Promet I.S.) (with dynamic pressure compensation {pressure transmitter included, range 0-1000 psig/0-69 barg})* ATEX/IECEX certified	D2
Gas measurement (Promet I.S.) (with dynamic pressure compensation {pressure transmitter included, range 0-1000 psig/0-69 barg})* CSA certified	D3
Gas measurement (Promet I.S.) (with dynamic pressure compensation {pressure transmitter included, range 0-2000 psig/0-138 barg})* ATEX/IECEX certified	D4
Gas measurement (Promet I.S.) (with dynamic pressure compensation {pressure transmitter included, range 0-2000 psig/0-138 barg})* CSA certified	D5
Liquid measurement (Liquidew I.S.) ATEX/IECEX certified	D6
Liquid measurement (Liquidew I.S.) CSA certified	D7

Promet I.S.

Order Codes

Accessories and Spare Parts

Item	Product / Description
PTI-BRK	Wall mounting bracket for Easidew PRO I.S.
PTI-FAT1	One day FAT pre-delivery inspection / or first day of inspection
PTI-FAT2	Each consecutive day of FAT pre-delivery inspection
PTI-DOC	Documentation package to customer specific VDR list - per order
PTI-DOC-ADH	Duplicate of PTI-DOC package (<i>per hard copy</i>)
PTI-DOC-ADS	Duplicate of PTI-DOC package (<i>per soft copy</i>)
PTI-DOC-CVDR	Documentation package for customer specific VDR
PTI-DOC-CP	Document package on customer headed paper
PTI-DOC-CP-ADH	Duplicate of PTI-DOC package on customer headed paper (<i>per hard copy</i>)
PTI-DOC-CP-ADS	Duplicate of PTI-DOC package on customer headed paper (<i>per soft copy</i>)
PTI-DRG	Non-standard drawing
PTI-COM	Commissioning and training on-site
PTI-SYS-PAC1	Packing for Promet I.S. 1 or 2 channel with sampling system (for air, sea and road)
DSG-A1	Changes to the design of original submission
DSG-A2	Material cost for changes in design
PTI-X	Service exchange: reconditioned Easidew PRO I.S. Transmitter supplied with traceable calibration certificate — old sensor must be returned to Michell Instruments within 21 days
PTI-DP	Spare Easidew PRO I.S. Transmitter
PTI-PRS-1	Spare I.S. pressure transmitter for P1 option (<i>range 0 to 1000 psig</i>)
PTI-PRS-2	Spare I.S. pressure transmitter for P2 option (<i>range 0 to 2000 psig</i>)

Sampling System Spare Parts

Item	Product / Description
SAM-PTI-MFE	Membrane filter elements — pk of 5 + 1 Viton o-ring (<i>for NS1 system only</i>)
SAM-PTI-GAC	Glycol adsorption cartridges — pack of 10 (<i>for NS1 system only</i>)
SAM-PTI-PFE	Particulate filter elements — each (<i>for NS1 system only</i>)
SAM-PTI-PFT	Particulate filter elements — each (<i>for TS1 system only</i>)

Services

Item	Product / Description
DSG-A1	Changes to design of original submission
DSG-A2	Material for changes in design
MCU-FAT1	One day FAT pre-delivery inspection / or first day of inspection
MCU-FAT2	Each consecutive day of FAT pre-delivery inspection

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Michell Instruments adopts a continuous development programme which sometimes necessitates specification changes without notice.
Issue no: Promet IS order codes_97266_V5_UK_0117