

CONDUMAX II

Automatic, online measurement of hydrocarbon and water dew-point in natural gas.

Product Parent Code: CD2-MON Condumax II analyzer only		
Product Ordering Code {Feature A}+{Feature B}+{Feature C}+{Feature M}		
Feature	Item	Description
Feature {A}	Base Model	
	CD2-MON	Base unit
Feature {B}	Analyzer	
	B1	Hydrocarbon dp
	B2	Hydrocarbon and Water dp IGT (<i>IGT#8 natural gas moisture calculation</i>)
	B3	Hydrocarbon and Water dp ISO (<i>ISO18453 natural gas moisture calculation</i>)
Feature {C}	Haz Config	
	C1	ATEX/IECEX certified
	C2	cCSAus certified
Feature {M}	Material Certification	
	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: CD-SYS-I/CD-SYS-M Condumax II with Sampling System		
Product Ordering Code {Feature A}+{Feature B}+{Feature C}+{Feature D}+{Feature E}+{Feature F}+{Feature M}		
Feature	Item	Description
Feature {A}	Base Model	
	CD2-SYS-M	Base unit - Metric (6mm) tube and fittings
	CD2-SYS-I	Base unit - Imperial (1/4") tube and fittings
Feature {AB}	Analyzer	
	AB1	Hydrocarbon dp analyzer ATEX/IECEX
	AB2	Hydrocarbon & water dp IGT analyzer ATEX / IECEX
	AB3	Hydrocarbon & water dp ISO analyzer ATEX / IECEX
	AB4	Hydrocarbon dp analyzer CSA certified
	AB5	Hydrocarbon & water dp IGT analyzer CSA certified
	AB6	Hydrocarbon & water dp ISO analyzer CSA certified
Feature {B}	Hazardous Areas Configuration	
	B1	ATEX certified 240VAC
	B2	cCSAus certified (Class 1 Div 2) 110VAC
	B3	ATEX/IECEX 110VAC
Feature {C}	System	
	C1	Standard indoor sampling system HC dp (with 316 SS mounting plate)
	C2	Standard outdoor sampling system HC dp (with 304 SS enclosure)
	C3	Standard outdoor sampling system HC dp (with 316 SS enclosure)
	C4	Standard indoor sampling system HC dp & W dp (with 316 SS mounting plate)
	C5	Standard outdoor sampling system HC dp & W dp (with 304 SS enclosure)
	C6	Standard outdoor sampling system HC dp & W dp (with 316 SS enclosure)
Feature {D}	Heating (Outdoor system only)	
	D0	No heater required
	D1	240VAC Fixed 20°C
	D2	110VAC Fixed 20°C
	D3	240VAC adjustable 0-60°C (ATEX/IECEX)
	D4	110VAC adjustable 0-60°C (ATEX/IECEX)
	D5	240VAC Fixed 40°C (not for use with E1-E3)
	D6	110VAC Fixed 40°C (not for use with E1-E3)
Feature {E}	Enclosure Cooling (Outdoor system only)	
	E0	No cooling required
	E1	240VAC (ATEX/IECEX) Enclosure cooling required ≥ 45°C ambient (Fixed 40°C setpoint, instrument air supply required)
	E2	110VAC (CSA) Enclosure cooling required ≥ 45°C ambient (Fixed 40°C setpoint, instrument air supply required)
	E3	110VAC (ATEX/IECEX) Enclosure cooling required ≥ 45°C ambient (Fixed 40°C setpoint, instrument air supply required)
	E4	240VAC (ATEX/IECEX) Enclosure cooling required ≥ 45°C ambient (Adjustable setpoint, instrument air supply required)
	E5	110VAC (ATEX/IECEX) Enclosure cooling required ≥ 45°C ambient (Adjustable setpoint, instrument air supply required)
	E6	240VAC (ATEX/IECEX) Enclosure ventilation fan for temperature 30°C max. ambient (Fixed setpoint, supplied with 316 SS enclosure)
E7	Mechanical Enclosure cooling for temperature 45°C max. ambient (Adjustable setpoint, instrument air supply required)	

Feature {F}	Heat Trace Line	
	F0	No heat trace required
	F1	240VAC 3m trace heated sample line assembly (6mm O.D. AISI 316)
	F2	240VAC 3m trace heated sample line assembly (1/4" O.D. AISI 316)
	F3	110VAC 3m trace heated sample line assembly (6mm O.D. AISI 316)
	F4	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	
	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

Ordering Examples

CD2-MON+B3+C1+M0	Condumax II Main Unit for hydrocarbon and water dew-point measurement, ISO calculation, ATEX certified, no material certificates
CD2-SYS-I+AB2+B1+C5+D3+E0+F0+M1	Condumax II outdoor 304 SS sampling system (HC dp & W dp IGT analyzer ATEX / IECEx), Imperial fittings, thermostat upgrade with 3.1 material certificates & ATEX certification

CONDUMAX II DOCUMENTATION

Order Codes	Product / Description
CD2-FAT1	One day FAT pre-delivery inspection / or first day of inspection
CD2-FAT2	Each consecutive day of FAT pre-delivery inspection
CD2-DOC	Documentation package (<i>per individual system (to Michell Standard SDR list)</i>)
CD2-DOC-ADH	Duplicate of CD2-DOC package (<i>each hard copy</i>)
CD2-DOC-ADS	Duplicate of CD2-DOC package (<i>each soft copy (CDROM)</i>)
CD2-DOC-CVDR	Documentation package for customer specific VDR
CD2-DOC-CP	Document package on customer headed paper (<i>per individual system (to Michell Standard SDR list)</i>)
CD2-DOC-CP-ADH	Duplicate of CD2-DOC package on customer headed paper (<i>each hard copy</i>)
CD2-DOC-CP-ADS	Duplicate of CD2-DOC package on customer headed paper (<i>each soft copy (CDROM)</i>)
CD2-DRG	Drawings for approval before build
CD2-COM	Commissioning and training on-site (<i>as engineer rates price list</i>)
CD2-MON-PAC	Packing for main unit only (crate for air, sea and road)
CD2-SYS-PAC	Packing for main unit with sampling system (crate for air, sea and road)

CONDUMAX II ACCESSORIES AND SPARE PARTS

Order Codes	Product / Description
CD2-HPR-240	Stand alone heated pressure reduction system 240VAC (300 barg/4350 psig inlet, max 507psig/35barg outlet) - ATEX only
CD2-HPR-115	Stand alone heated pressure reduction system 115VAC (300 barg/4350 psig inlet, max 507psig/35barg outlet) - ATEX only
CD2-SYS-SC	Michell standard mounting frame, floor standing with sun canopy and three sides- 316 box section construction with roof and side panels
CD2-SCR-002	HC dew-point sensor cell assembly (<i>with Storm pressure transmitter</i>) **
CD2-WDC-002	Water dew-point sensor assembly (<i>with Storm pressure transmitter</i>) **
CD2-SX-WDC-001/002	Water dew-point sensor exchange (<i>fully calibrated</i>) * & **
Consumable items - sampling systems only:	
CD2-SFK	Filter kit for Coalescer and Membrane Separator - each
CD2-MFE	Membrane filter elements pack of 5 + 5 Viton O-ring
* 001 applies to sensors fitted with a Druck pressure transducer with mV output. This applies to older Condumax II until January 2006	
** 002 applies to sensors fitted with a GEM Storm 4-20mA pressure transmitter. This applies to all Condumax II from January 2006, serial number 120477 to current day.	

CONDUMAX II SERVICES

Order Codes	Product / Description
CDS-Service	Refurbish and recalibrate Condumax HC Cell (<i>includes Peltier replacement - further costs may be incurred if other items need replacement</i>) - see Calibration & Service Exchange page

Please note: Michell Instruments adopts a continuous development program which sometimes necessitates specification changes without notice. Please contact us for latest version. Issue No: Condumax II_97149_V6_UK_0618