



	DATCOM <i>plus</i>	DATCOM	
Housing			
Material	Glass fiber polycarbonate		
Dimensions	10.4 x 7.9 x 4.4 in	8.3 x 7.5 x 3.7 in	
Weight (depends on configuration)	4.85 lbs	3.3 lbs	
Protection class (EN 60529)	IP 66, outdoor environment		
Approvals	(Class1 Div1; Class1 Div2 for ZONE2 models) UL, CSA, ATEX, IECEx		
Working Temperature	-13°F to +158°F; optional -40°F to +158°F		
Control Panel			
Keypad	6 button capacitive keypad		
Display	Reading of all measured instantaneous and archived data		
Standard	Graphic backlit LCD 128 x 64		
-40°F Variant	Custom Segmented LCD, Backlit		
Digital Transducers (max. 6)		Digital Transducers (max. 3)	
Pressure transducer type	model EDT 96		
Standard Ranges - absolute (psia) Accuracy 0.25% of measured value	11.6 - 75.4; 29 - 145; 58 - 290; 101.5 - 507.6; 203 - 1015.3; 362.6 - 1885.5		
Standard Ranges - gauge (psig) Accuracy: <0.2% of range for ranges 14.5psig and higher; <0.4% for ranges lower 14.5psig	0 - 2.9; 0 - 14.5; 0 - 23.2; 0 - 58; 0 - 87; 0 - 145; 0 - 362.6; 0 - 580.2; 0 - 1015.3 psig		
Temperature transducer type	model EDT 101; -13 °F to +158 °F; -40 °F to +158 °F		
Power Supply			
EVC battery (battery life under defined conditions)	B - 03 (17Ah) lithium battery - up to 11 years B - 03D (30Ah) lithium battery - up to 18 years	B - 03 (17Ah) lithium battery - up to 11 years	
Modem battery (battery life under defined conditions)	HB - 03 (LTE Cat M1 modem, lithium battery, 12Ah) - up to 6 years		
External power supply (EVC and modem batteries become backups)	PS - E external module (EVC) PS - M external module (MODEM)	not available	
Communication			
Serial communication interface	2 x RS232 or RS485	1 x RS232 or RS485	
Optical communication interface	optical interface (EN 62056 - 21)		
Wireless communication (modem)	LTE Cat M1 (ATT, T-Mobile, Verizon), LTE - Narrow Band (preliminary)		
I/O capabilities			
Digital inputs	up to 12 x (LF, 2x HF, binary)	3 x (LF or binary)	
Digital outputs	4 x (LF or binary)	2 x (LF or binary)	
Analog inputs (4 - 20mA)	up to 6 x (optional)	not available	
Analog outputs (4 - 20mA)	up to 4 x integrated (optional) up to 4 x (using external module CLO)	2 x (using external module CLO)	
Internal Extension Modules (Slot 1 through 5)			
Communication	Modems	LTE Cat M1; LTE - Narrow Band (preliminary)	
	Serial interface	S1 - COM: RS232/RS485 serial interface	integrated
Analog 4 - 20mA input/output	Inputs	S1 - 2AI: 2x input	not available
	Outputs	S1 - 2AO: 2x output	not available (externally via CLO module)
External power supply	EVC	S3 - PWR1	not available
	Modem	S4 - PWR2	
Multipurpose extension board	S0 - EXT1 2 x HF NAMUR input; 6 LF/Binary input; 2 x Analog input (4-20 mA); 2 x Dig. transducer	not available	

rev.01