

EM6 Technical Specifications

Safety Approvals		
ATEX	II 2 1 (1) (2) G	CML 17ATEX1112X
IECEX	Ex db ia[ia Ga] [ib Gb] IIA T4 Gb	IECEX ICS 16.0006X
Metrology Approvals		
OIML	R117/2007-GB1-17.03	
MID (Part Certificate)	GB-1627	
Environmental		
Operating Temperature	-20°C to +60°C	
Protection Class	IP67	
Materials		
Enclosure	Machined Aluminium, Anodised	
User Interface		
Keypad	Customised 16 key, Alpha Numeric, Stainless Steel and Vandal Proof	
Display	2 X 3.5" LCD Screens, 240X160 Resolution	
Connections		
Cable Entries	3 X M20 X 1,5 Intrinsically Safe Gland Entries (Exi)	
	4 X M20 X 1,5 Flameproof Entries (Exd)	
GSM Entry	1 X M16 X 1,5 Flameproof Bush (DC System only)	
Electrical		
Input Voltage	12 VDC to 24 VDC	or
	90 VAC to 260 VAC (47 - 63 Hz)	
Flow Meter Inputs	2 X Exi Dual Pulse Inputs with flow direction	or
	2 X Exi Dual Namur Type Inputs with flow direction	or
	2 X Exd Dual Pulse Inputs with flow direction	
Temperature Inputs	2 X Exi 4-Wire PT100 RTD's	
	Crude Oils: ASTM 54A, API 60A	
	Fuels: ASTM 54B, API 60B	
	Ethanol / Bio Fuels: ASTM 54C, API 60C	
	Lubrication Oils: ASTM 54D, API 60D	
	LPG: ASTM API as per NF M80 17	
Inputs	2 X Exi Namur/General purpose inputs (User Configurable)	
	4 X Exd General purpose inputs (User Configurable)	
Outputs	2 X Exd High Speed Pulse Outputs (Remote Display, Additive Pacing Pulse)	
	8 X Exd Relay Outputs (Valve and Pump control)	
Communication Ports	1 X Exd RS485/RS232	
	1 X Exd GSM (DC system only) / RS232	
	1 X Exi CAN BUS	
	1 X Exi 1-Wire Bus (iButton)	
Protocols	Modbus	
	S.L.I.P	
	CAN Open	
	iButton	
Data Storage		
	32 000 Transactions	
Weights & Dimensions		
	12kg	



