

METERING SYSTEM CONTROL



Metermatic EM6



Metermatic

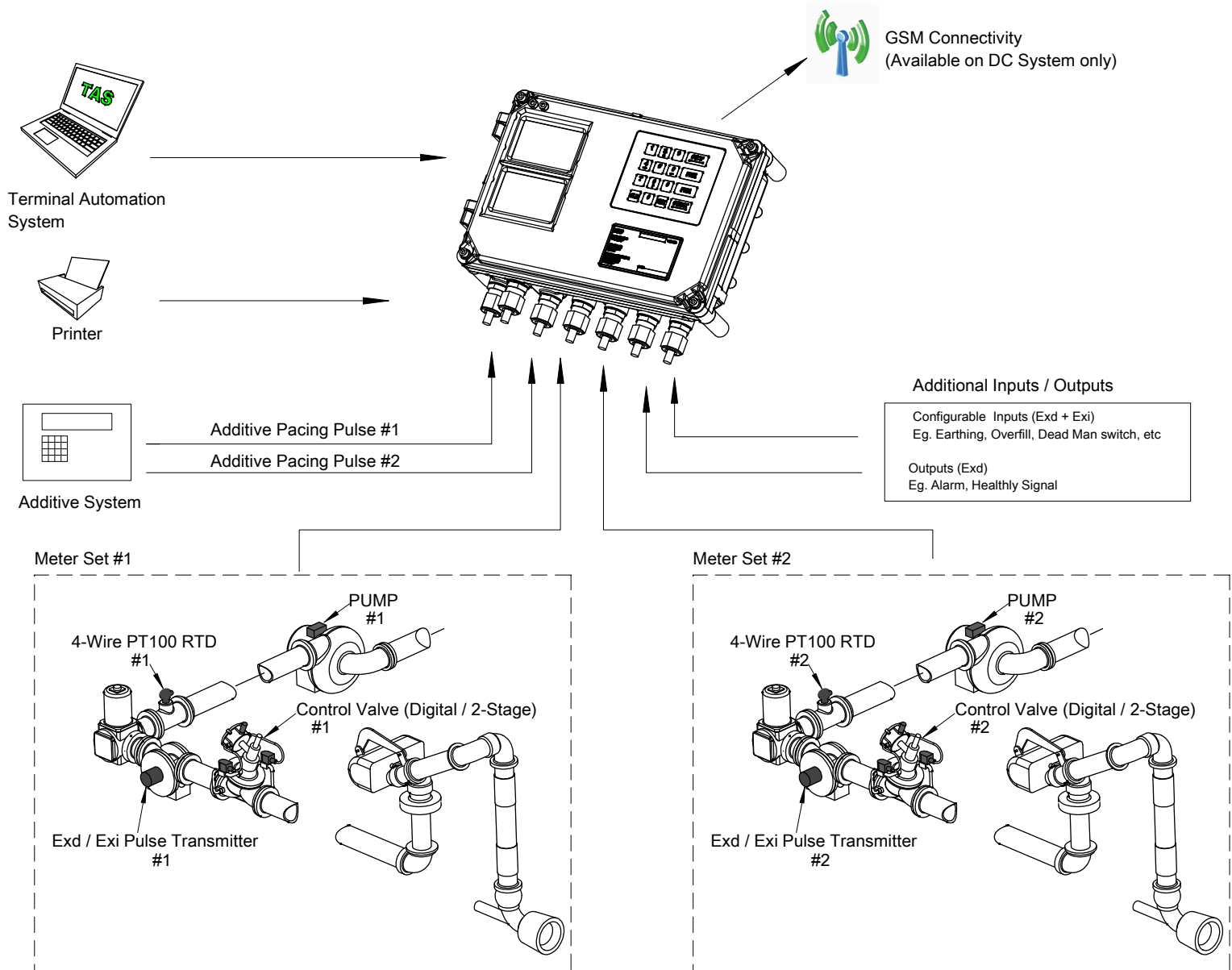
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SYSTEM COMPONENTS



FEATURES AND BENEFITS

- Compact, rugged, lightweight enclosure (Cast Aluminium)
- Numeric keypad with integrated stop and start button
- 2 x LCD screens with back light
- Stores up to 32 000 transactions per EM6
- Selectable temperature compensation tables
- Two levels of security
- Multiple communication ports
- Programmable prompts
- Automatic adjustment of final trip point
- Up to 8 products per metering point
- Continuous monitoring of critical functions

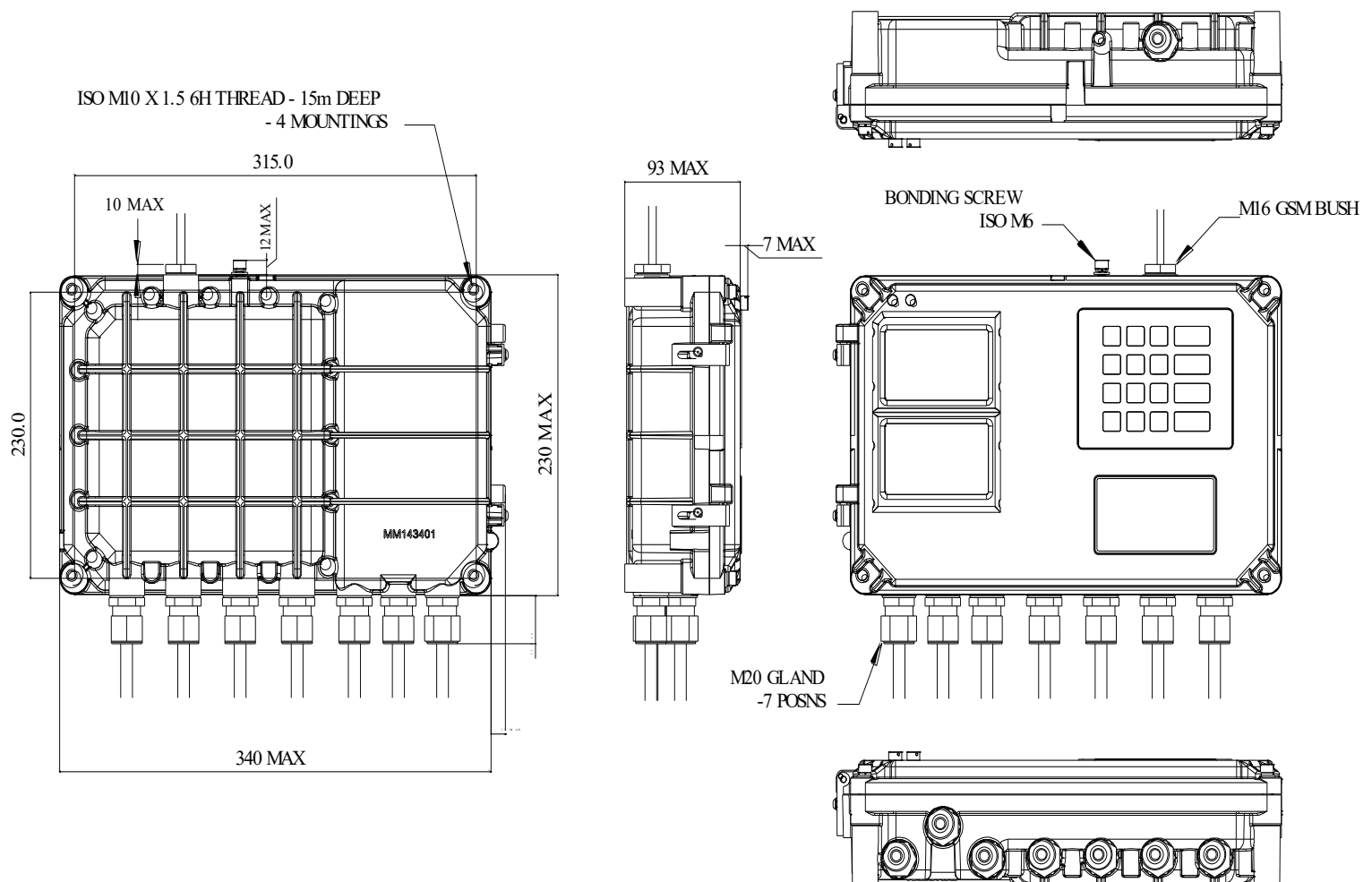
EM6

The EM6 is designed for affordable, accurate and reliable metering control of your hazardous liquid loading facility. Specifically built for single and dual arm gantries, the EM6 is your solution for standalone or online control via a Terminal Automation System. With various configurable inputs and outputs as well as configurable prompts, you will have all the load information at your disposal. Various communication modes are available including GPRS for remote transmitting of your transaction in outlying areas. For more information, visit www.metermatic.co.za.

Capabilities:

- Dual meter operation and valve control
- Temperature compensation standard
- GSM/GPS communication for meter ticket info to be sent via sms or E-mail to back office
- All meter pulsar types can be utilized
- Support for various automation systems
- Direct printer interface
- Records parameter change history
- User configurable inputs and outputs
- Two stage and digital control valve
- Pulse output for additive control interface
- Pump Control
- iButton Interface

DIMENSIONS



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	Cast Aluminium, Alodined and Powder Coated	
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 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, ASTM D1250 (1952)	
	Ethanol/Bio Fuels: ASTM 54C, API 60C	
	Lubrication Pils: 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 Exi CAN BUS	
	1 x Exi 1-Wire Bus (iButton)	
	1 x Exd GSM (DC system only) / RS232	
Protocols	Modbus	
	S.L.I.P	
	CAN Open	
	iButton	
Data Storage		
	32 000 Transactions	
Weight		
	9 kg	