

METERING SYSTEM CONTROL



Metermatic EM6



Metermatic

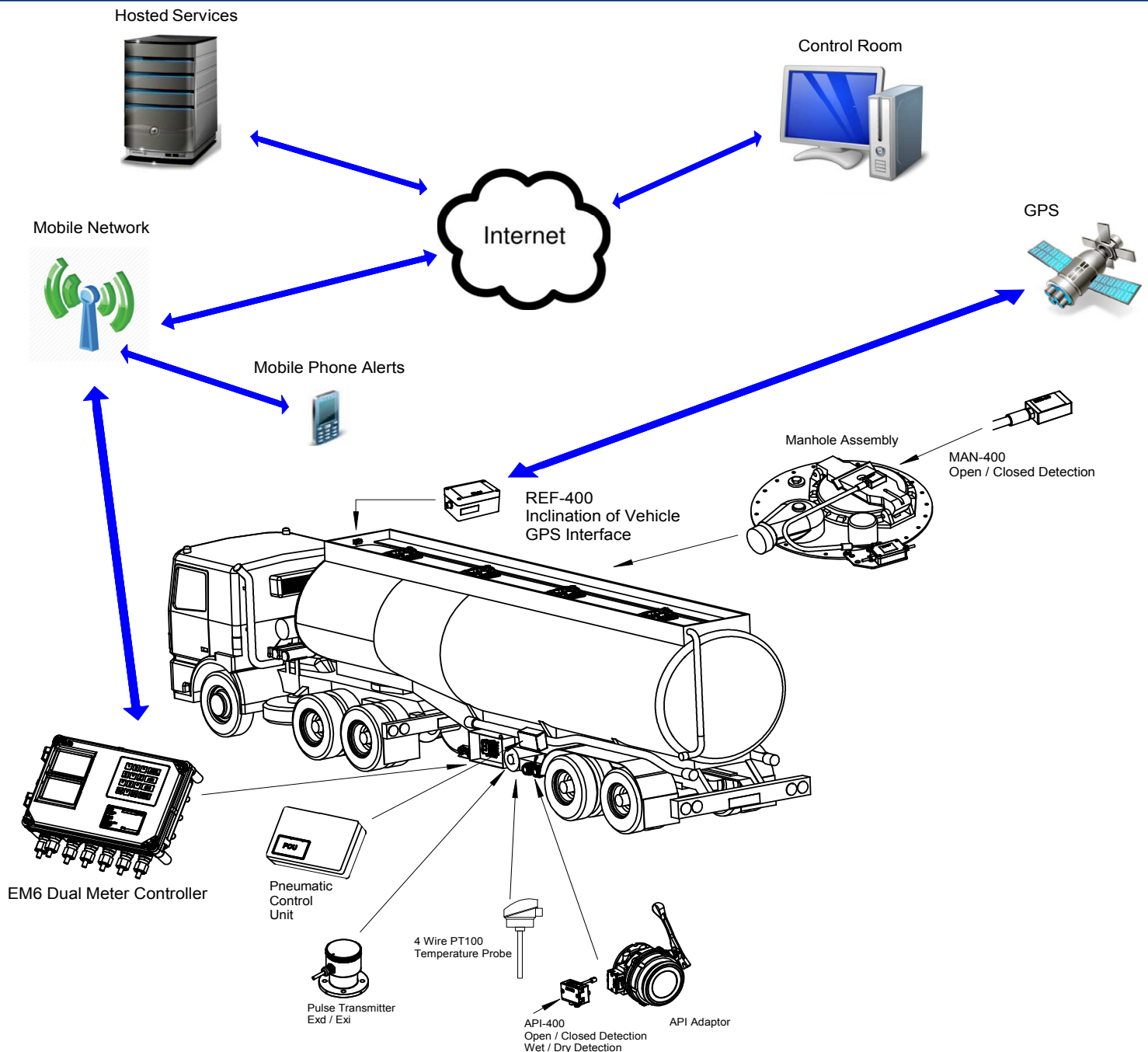
+27 (0) 11 457 0500

www.metermatic.co.za

sales@metermatic.co.za

Unit 10 Tambo Exchange Office Park, 587 Jones Road, Jet Park, Boksburg South Africa

SYSTEM COMPONENTS



FEATURES AND BENEFITS

- Compact, rugged, lightweight enclosure (Cast Aluminium)
- Alpha 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

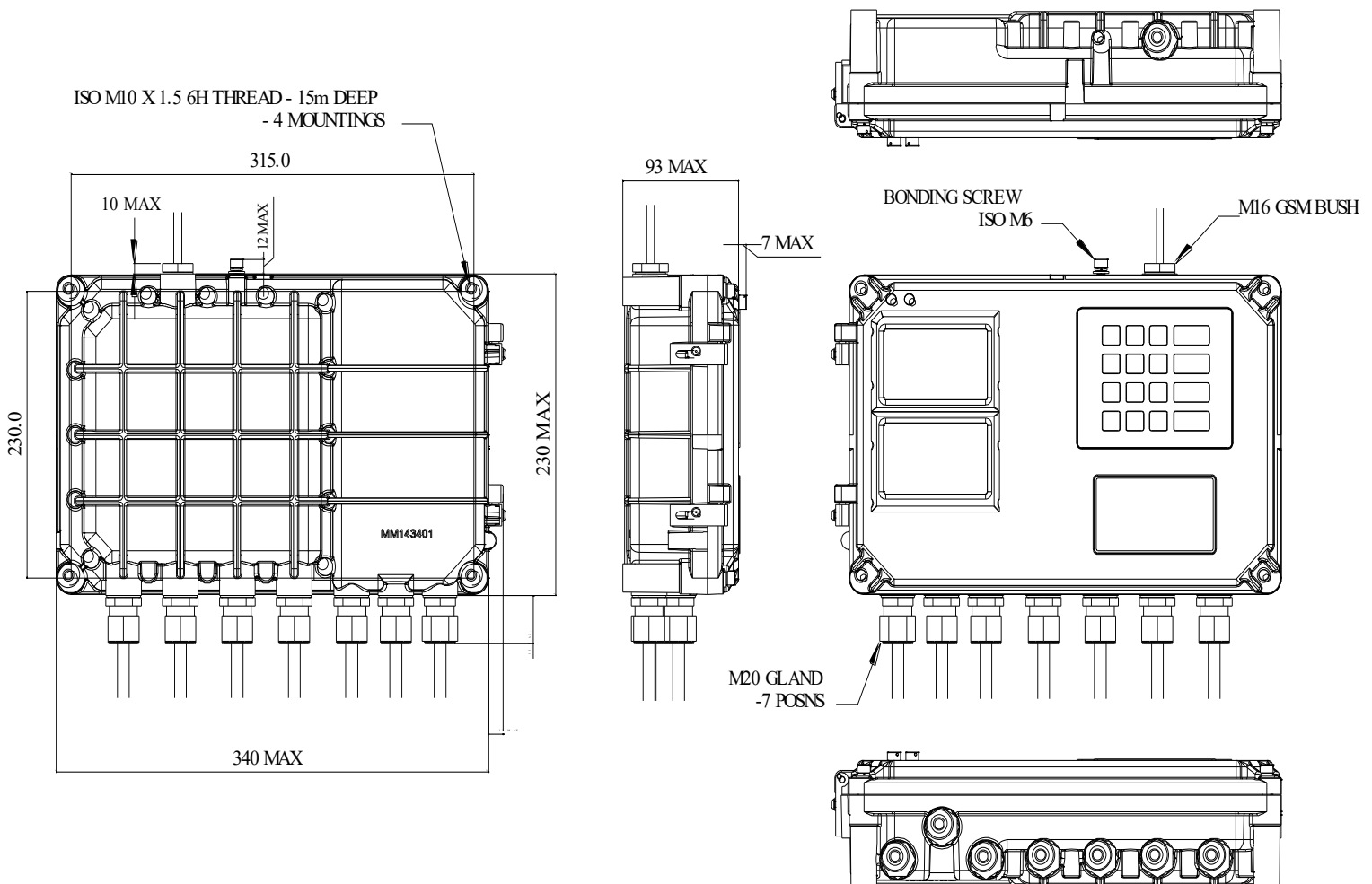
EM6

Take control of your metered deliveries with the all new EM6 Multi Point Controller from Metermatic. The EM6 has been designed to meet the ever changing market demands for flexibility and visibility in tank truck load controllers. Now with GSM/GPRS and GPS as standard, you will know immediately where and how much your Tank Truck has delivered; Incorporated into the system you can also monitor the opening and closing of your API's and Manhole Covers.

Capabilities:

- Dual Meter operation and valve control.
- Temperature compensation standard
- GSM/GPS communication for meter ticket info to be sent via SMS, E-mail or to our www.scsanalyser.co.za
- Full Pneumatic control of loading and offloading procedure, with option for pump back capabilities.
- Interface to manhole covers and API adaptors for open/close reporting to our web analyzer software.
- All meter pulsar types can be utilized.

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
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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	