TECHNICAL SPECIFICATIONS

Safety Approvals		
ATEX	ll 2 1 (1) (2) G	CML 17ATEX1112X
IECEx	Ex db ia[ia Ga] [ib Gb] llA T4 Gb	IECEx ICS 16.0006X
Metrology Approvals		
OIML	R117/2007-GB1-17.03	
MID (Part Certificate)	GB-1627	
Environmental		
Operating Temperature	-20ºC to +60ºC	
Protection Class	IP65	
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 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 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 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	
Weight		
	6.5kg	

METERING SYSTEM CONTROL

Metermatic EM6

ATEX Ex

Metermatic

IEC IECEx

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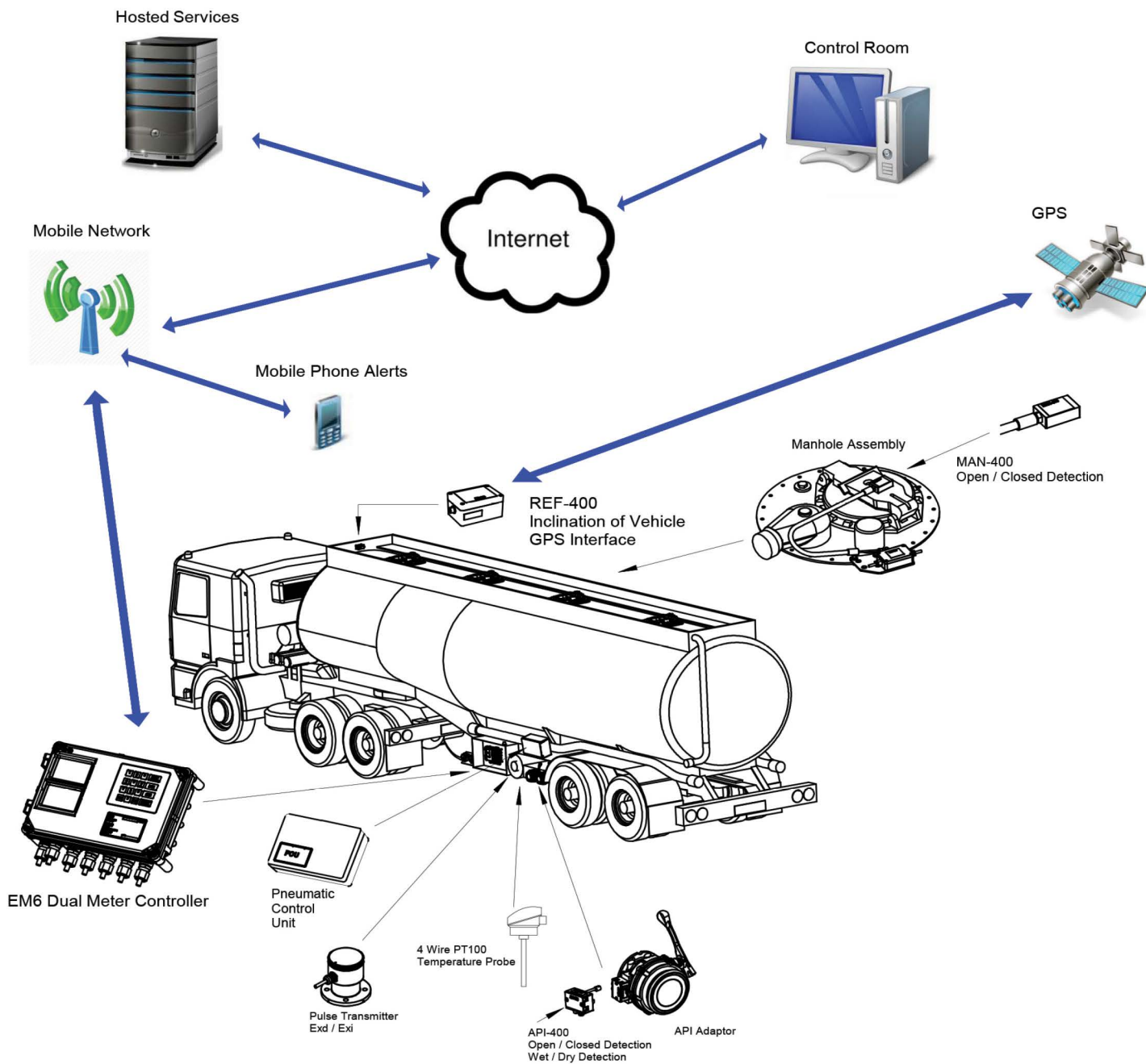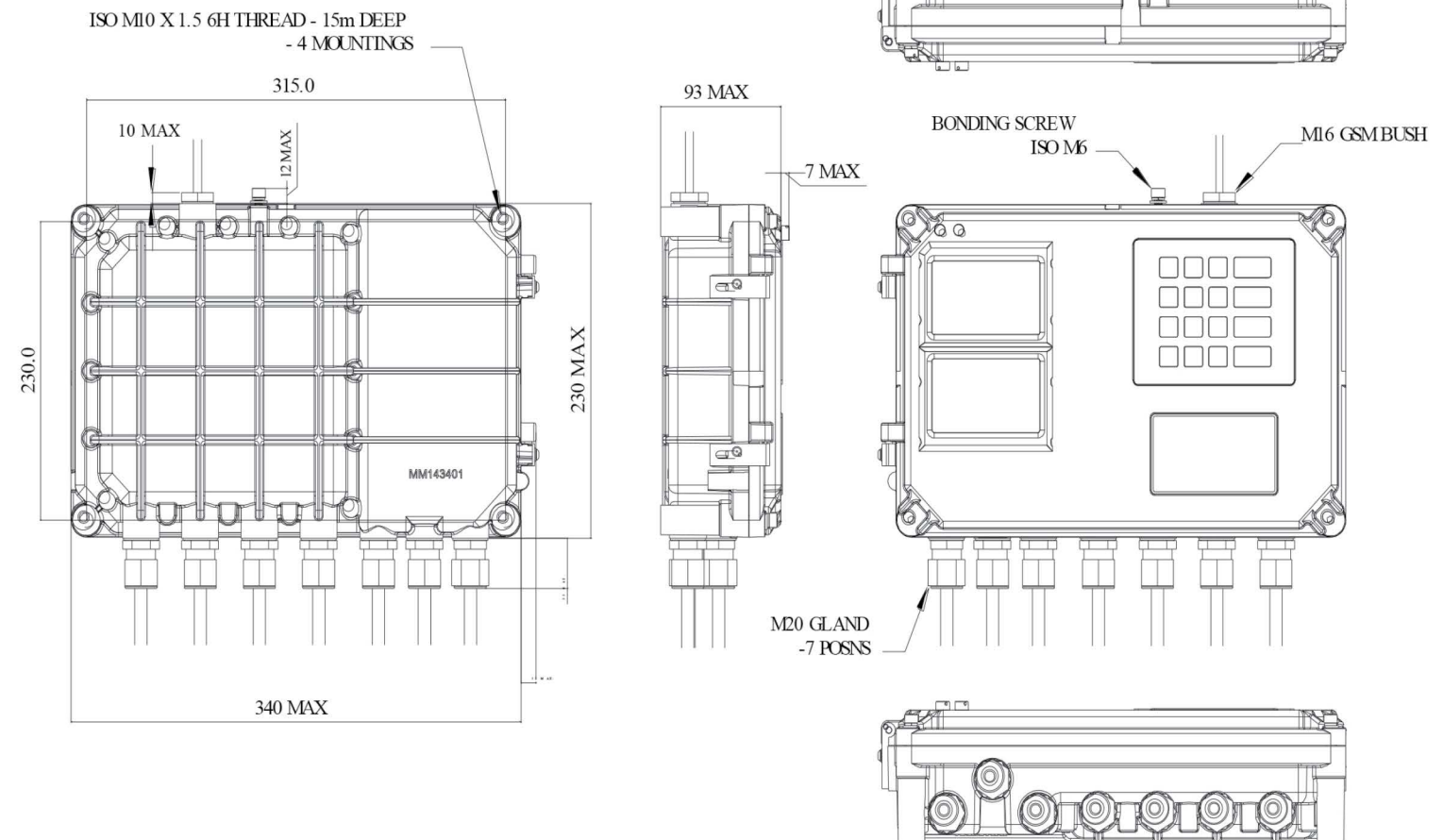
Take control of your metered deliveries with the all new EM6 Multi Point Controller from Metermatic. The EM6 has been designed to meet the ever changing market demands for flexibility and visibility in tank truck load controllers. Now with GSM/GPRS and GPS as standard, you will know immediately where 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.

System diagram labels:

Hosted Services
Control Room
GPS
Mobile Network
Internet
Mobile Phone Alerts
Manhole Assembly
MAN-400 Open / Closed Detection
REF-400 Inclination of Vehicle GPS Interface
EM6 Dual Meter Controller
Pneumatic Control Unit
4 Wire PT100 Temperature Probe
Pulse Transmitter Exd / Exi
API-400 Open / Closed Detection Wet / Dry Detection
API Adaptor

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

DIMENSIONS

Dimension diagram labels:

ISO M10 X 1.5 6H THREAD - 15m DEEP - 4 MOUNTINGS
315.0
10 MAX
12 MAX
230.0
MM143401
340 MAX
93 MAX
7 MAX
230 MAX
BONDING SCREW ISO M6
M16 GSM BUSH
M20 GLAND -7 POSNS

Metermatic