

## FUEL CONSUMPTION MEASUREMENT FLOWMETER - FCM & FCMX SERIES



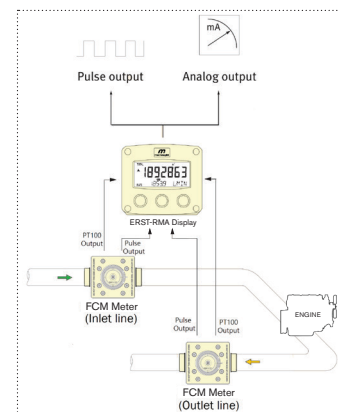
FCMX Series



ERST-RMA Display



FCM Series



Solution diagram

### FEATURE & BENEFITS

- **Oval Gear Advantages:** No flow conditioning, compact, wide compatibility.
- **Unrivaled Precision:**  $\pm 0.1\%$  reading accuracy, temperature compensation output. (FCMX option  $\pm 0.5\%$  reading accuracy)
- **Smart Flow Computer:** Dual input (Supply & Return), temperature compensation feature.
- **Effortless Installation:** Innovative magnet mounting design, no attachments needed.
- **Universal Compatibility:** Works with most Fuel Measurement Systems.
- **Extreme Durability:** Proven in mining, marine conditions and other harsh conditions.

### DISPLAY - TECHNICAL SPECIFICATIONS

Model	ERST-RMA
Signal input	Reed switch NPN - Hall effect sensor
Temperature input	PT100
Signal output	4-20mA
Power supply	8-24 VDC
IP rating	IP67
Mounting	Wall mount
Cable entry	(2) x PG9 and (1) x M20
Backlight	Yes
Temperature	-40°C to 80°C

### FCM METER - TECHNICAL SPECIFICATIONS

	FCM Series		FCMX Series
Model	MX12FCM	MX25FCM	MX METER BODY + FCMX PULSE
Port Size	3/4" (G or NPT)	1" (G or NPT)	1/4" to 4"
Flow Range	2 to 30 LPM	6 to 36 LPM	2 LPH - 2500 LPM
Accuracy	$\pm 0.1\%$ of reading		$\pm 0.5\%$ of reading
Max Pressure	150 psi		Up to 2000 psi
K-Factor	7-point calibration		Single point calibration
Temperature	-40°C to 80°C		
IP Rating	IP67		
Hall Sensor	2 x NPN with pull up resistor		
Temp Sensor	PT100		
DIN Connection	M8 6 PIN position		

System requirements consists of 2 x FCM Series or FCMX Series and 1 x ERST-RMA display.