

DESCRIPTION

The FlowCom Register displays a flow meter's flow rate and volumetric total. The FlowCom can be fitted to any new or existing McPropeller or Water Specialties propeller flow meter.

FEATURES

- Retrofits to any existing Mc Propeller or Water Specialties propeller flow meter.
- Output options: 4-20mA Analog, open collector pulse, AMI output
- Unique units of measurement for rate, total, 4-20mA, and pulse outputs.
- Smart Trax on Board integrated telemetry available.



SPECIFICATIONS

Physical Specifications

Electronic Housing	Diecast aluminum, powder coated enclosure w/ tamper resistant seal, 6½" x 6½" x 43/8" tall
Digital register Dimensions	See "Dimensions" section for meter mount and remote mount digital register dimensions.
Power	Battery: Standard: three 3.6V lithium-thionyl chloride (Li-SOCI2) D size batteries
Electrical Connections	Optional shielded cable for pulse out

Performance and Operational Specifications

Battery Life	Five-year expected battery life, five-year battery warranty. 3 year battery life with Smart Trax on Board, if reporting in 24 hour intervals.
Location	Indoor or outdoor use
Altitude	Operating: 2000 meters Storage: 12,000 meters
Operating Temperature	-4° to 140° F (-20° to 60° C)
Storage Temperature	-4° to 140° F (-20° to 60° C)
Relative Humidity	0% to 100%
IP Rating	IP67 Die cast aluminum digital register

Outputs

Digital output:	Digital pulse (open collector) output for volumetric - Two isolated digital pulse (open collector) outputs for volumetric - AMI output
Analog output:	4-20mA: Galvanically Isolated, 16 Bit resolution. All power configurations (including battery).

Display and Measurement

Display

- 2-Line LCD display (no backlight)
- Non-volatile memory
- Anti-reverse totalizer (standard)
- Total (to 9 digits of precision)
- Flow rate and velocity (to 5 digits of precision)
- Two alarms: low battery and empty pipe (optional)
- Opening lid activates display

Digits

5 Rate, 9 Total

Units

GPM	Gallons per minute	KLH	Kiloliters per hour
MGD	Mega gal per day	LPH	Liters per hour
CFS	Cubic feet per second	CMM	Cubic meters per minute
MLD	Megaliters per day	CFM	Cubic feet per minute
LPS	Liters per second	CFM	Cubic feet per minute
CMH	Cubic meters per hour	B5M	Barrels per minute (55G)
LPM	Liters per minute	B5H	Barrels per hour (55G)
GPH	Gallons per hour	B5D	Barrels per day (55G)
IGM	Imperial gal per minute	B4M	Barrels per minute (42G)
MI9	Miners inch (9G)	B4H	Barrels per hour (42G)
MI1	Miners inch (11.22G)	B4D	Barrels per day (42G)
APD	Acre feet per day		

Totalizer Units

GAL	Gallons	AIN	Acre Inch
CUF	Cubic Feet	TON	Ton (Short)
AFT	Acre Feet	MM1	Miners Inch Minute (11.22G)
CUM	Cubic Meters	MM9	Miners Inch Minute (9G)
LIT	Liters	MH1	Miners Inch Hour (11.22G)
MML	Megaliter	MD1	Miners Inch Day (11.22G)
MTT	Metric Ton (KL)	MH9	Miners Inch Hour (9G)
B31	Barrel (31G)	MD9	Miners Inch Day (9G)
B42	Barrel (42G)	KGL	Kilo Gallons
B46	Barrel (46G)	MGL	Mega Gallons
B55	Barrel (55G)	IN3	Cubic Inch
IMG	Imperial Gallon		

Data Logger

Standard with all models, minimum of five years of data stored (4gb)

Other Specifications

Options and Accessories

- Data Logger - included as standard with five years of data storage at default (12hr) interval. (Cable sold separately)
- Smart Trax on Board optional (Includes Hosting & Data Fee options that will not apply until after delivery of your units, when SmartTrax is activated online.)

FLOWCOM FC200 AND FC201 PART NUMBER MATRIX

FC2							
Product Line							
McCrometer		00					
Water Specialties		01					
Assembly Component Options							
Conversion Kit (From Mechanical)		K					
Flowcom (FC100 to FC200) Upgrade Kit		R					
Flowcom (FC200) Replacement Kit		F					
Output Options							
No Outputs							
Open Collector Pulse		1					
4-20mA Analog		2					
4-20mA Analog and Open Collector Pulse		3					
Output Cable Options							
No Output Cables							
6 ft		C1					
15 ft		C2					
25 ft		C3					
50 ft		C4					
75 ft		C5					
100 ft		C6					
150 ft		C8					
Smart Output Protocol / Telemetry Options							
No AMI Outputs/Telemetry Options							
Sensus Protocol (6ft Open End Cable)		SEN					
Itron 6 digit Protocol (6ft Open End Cable)		IT6					
Itron 9 digit [100W] Protocol (6ft Open End Cable)		IT9					
Neptune Protocol (6ft Open End Cable)		NEP					
SmartTrax On-Board (Integrated Telemetry on FlowCom)		STX					
2 ft SmartTrax Standalone Unit ExactRead Cable		S02					
6 ft SmartTrax Standalone Unit ExactRead Cable		S06					
25 ft SmartTrax Standalone Unit ExactRead Cable		S25					
50 ft SmartTrax Standalone Unit ExactRead Cable		S50					
Register Remote and Extension Options							
Meter Mount (Standard)							
6 ft Cable Remote Mount (Flowcom only)		R06					
25 ft Cable Remote Mount (Flowcom only)		R25					
50 ft Cable Remote Mount (Flowcom only)		R50					
No Batteries, Battery Tray Options							
Includes Batteries (Standard)							
No Batteries (Alkaline Tray)		NBA					
No Batteries (Lithium Tray)		NBL					

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