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.
- Four output options: 4-20mA loop, open collector, optically isolated, and contact closure.
- Unique units of measurement for rate, total, 4-20mA, and pulse outputs.
- Factory sealed remote and meter-mounted models.

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
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). Note: 9-30 VDC loop power required (not supplied via digital register)

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 MGD Mega gal per day CFS Cubic feet per second MLD Megaliters per day LPS Liters per second CMH Cubic meters per hour LPM Liters per minute GPH Gallons per hour IGM Imperial gal per minute MI9 Miners inch (9G) MI1 Miners inch (11.22G) APD Acre feet per day KLH Kiloliters per hour LPH Liters per hour CMM Cubic meters per minute CFM Cubic feet per minute CFM Cubic feet per minute B5M Barrels per minute (55G) B5H Barrels per hour (55G) B5D Barrels per day (55G) B4M Barrels per minute (42G) B4H Barrels per hour (42G) B4D Barrels per day (42G)
Totalizer Units	GAL Gallons CUF Cubic Feet AFT Acre Feet CUM Cubic Meters LIT Liters MML Megaliter MTT Metric Ton (KL) B31 Barrel (31G) B42 Barrel (42G) B46 Barrel (46G) B55 Barrel (55G) IMG Imperial Gallon AIN Acre Inch TON Ton (Short) MM1 Miners Inch Minute (11.22G) MM9 Miners Inch Minute (9G) MH1 Miners Inch Hour (11.22G) MD1 Miners Inch Day (11.22G) MH9 Miners Inch Hour (9G) MD9 Miners Inch Day (9G) KGL Kilo Gallons MGL Mega Gallons IN3 Cubic Inch
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)

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 cable, Nicor Connector hardwired only)					SEN			
Itron 6 digit Protocol (6ft cable, Nicor Connector hardwired only)					IT6			
Itron 9 digit [100W] Protocol (6ft cable, Nicor Connector hardwired only)					IT9			
Neptune Protocol (6ft cable, Nicor Connector hardwired only)					NEP			
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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