FC100 / FC101 FlowCom Register

Addendum to the Installation, Operation And Maintenance Manual for the AMI Compatible Mc Propeller and Water Specialties Flowmeter

30122-27 Rev. 1.2
July 28, 2020
Safety Warnings

When installing, operating, and maintaining McCrometer equipment where hazards may be present, you must protect yourself by wearing Personal Protective Equipment (PPE) and be trained to enter confined spaces. Examples of confined spaces are manholes, pumping stations, pipelines, pits, septic tanks, sewage digesters, vaults, degreasers, storage tanks, boilers, and furnaces.

You must follow all state and local laws, as well as Occupational Health and Safety Administration (OSHA) regulations concerning Personal Protective Equipment, confined-space entry, and exposure to bloodborne pathogens. Specific requirements can be found in the OSHA section of the Code of Federal Regulations: 29 CFR, 1910.132 - 1910.140, Personal Protective Equipment; CFR Title 29, Part 1910.146, Permit-Required Confined-Spaces; and 29 CFR, 1910.1030, Bloodborne Pathogens.

**WARNING!**

Never enter a confined space without first testing the air at the top, middle, and bottom of the space. The air may be toxic, oxygen deficient, or explosive. Do not trust your senses to determine if the air is safe. You cannot see or smell many toxic gases.

**WARNING!**

Never enter a confined space without the proper safety equipment. You may need a respirator, gas detector, tripod, lifeline, and other safety equipment.

**WARNING!**

Never enter a confined space without standby/rescue personnel within earshot. Standby/rescue personnel must know what action to take in case of an emergency.

**WARNING!**

Pressurized pipes should only be tapped, cut, or drilled by qualified personnel. If possible, depressurize and drain the pipe before attempting any installation.
1.0 Introduction

McCrometer Offers an output option to interface with FlexNet® networks sold by Sensus®. When this option is included, an additional output cable is also included to connect to a Sensus® Antenna. There is no procedure required¹ for setting up the Sensus interface; it will come with the cable already connected and Sensus already active. There is no additional configuration required on the FlowCom.

For details on Remote Mount and Outputs (Pulse and 4-20mA) please refer to the associated sections in the main FlowCom Manual; the addendum will not cover them.

2.0 Ordering the Sensus Option

Output, Remote Mount, and Sensus: all three can’t be on one FlowCom. The Sensus cable takes one of two wire holes, leaving one left for either remote mount or outputs (Pulses and/or 4-20mA). This means FlowComs equipped with Sensus have Remote Mount or Outputs (Pulses and/or 4-20mA), but not both.

¹ FlexNet® is a network infrastructure owned by Sensus. See Sensus.com for More Details.

² The FlowCom MUST have firmware version 2.4, which will be taken care of at the factory when the FlexNet Output option is ordered.
3.0 Setup / Wiring

Make sure the FlowCom display is on. Wire the output cable coming from the FlowCom into a Sensus® compatible antenna. Wire colors from the output cable match the wire colors on the Sensus® Antenna.

Internal Wiring of Sensus Option

FC100-06, FC101-06

FlowCom

Common (Black)
Clock (Red)
Data (Green)

Common (Black)
Clock (Red)
Data (Green)

GND

EB413-00
FlowCom/Sensus Interface

Red
Green
Black

FC1000-12
Input Cable Assy.

1-1707-18
1-Position Terminal

1-1707-19
2-Position Terminal

EA52x-00/4-2745-x
Sensus Radio
FlowCom

Common (Black)
Clock (Red)
Data (Green)

Common (Black)
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GND
WARRANTY STATEMENT

McCrometer warrants that this product will be free from defects in material and workmanship for a period 12 months from the date the equipment was first installed, but in no event longer than 18 months from the date the equipment was first shipped by McCrometer. Repairs shall be warranted for 12 months or, if the repair is performed under this warranty, for the remainder of the original warranty period, whichever is less.

Buyer shall report any claimed defect in writing to McCrometer immediately upon discovery and in any event, within the warranty period. McCrometer shall, at its sole option, repair the equipment or furnish replacement equipment or parts thereof, at the original delivery point.

McCrometer shall not be liable for costs of removal, reinstallation, or gaining access. If Buyer or others repair, replace, or adjust equipment or parts without McCrometer prior written approval, McCrometer is relieved of any further obligation to Buyer under this Article with respect to such equipment.

No equipment furnished by McCrometer shall be deemed to be defective by reason of normal wear and tear, failure to resist erosive or corrosive action of any fluid or gas (unless otherwise specified in Quotations/ Purchase Order Specifications), Buyer’s direct or indirect failure (or the failure of its agents or contractors) to properly store, install, operate, or maintain the equipment in accordance with good industry practices or specific recommendations of McCrometer, or Buyer’s failure to provide complete and accurate information to McCrometer concerning the operational application of the equipment.

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Purchaser’s sole remedy and manufacturer’s sole obligation for alleged product failure, whether under warranty claim or otherwise, shall be the aforesaid obligation of manufacturer to repair or replace products returned within twenty-four months after date of original shipment. The manufacturer shall not be liable for, and the purchaser assumes and agrees to indemnify and save harmless the manufacturer in respect to, any loss or damage that may arise through the use by the purchaser of any of the manufacturer’s products.

McCrometer does not authorize any person or entity (including, without limitation, McCrometer agents and employees) to make any representations (verbal or written) contrary to the terms of this limited warranty or its exclusions. Such terms of this limited warranty and its exclusions can only be effectively modified in writing and only by the President of McCrometer.
OTHER McCROMETER PRODUCTS INCLUDE:

- **Propeller Flowmeters**
  - Propeller Meter
  - Water Specialties Propeller Meter

- **Differential Pressure Flowmeters**
  - Vcone
  - Wafer-Cone

- **Magnetic Flowmeters**
  - FPI Mag
  - SPI Mag
  - Ultra Mag
  - Dura Mag
  - Mag 3000
  - Mag 2000

- **Wireless Monitoring System**
  - FlowConnect