



APPLICATIONS

- Irrigation metering
- Center pivot monitoring
- Fertigation control

FEATURES

- Easy installation
- No moving parts
- Built-in outputs for telemetry

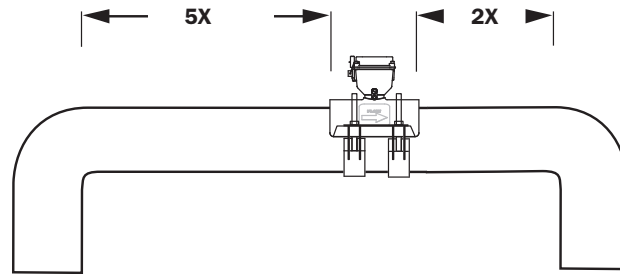


GENERAL INFORMATION

Designed above all for ease of installation, this magnetic flow meter has no moving parts and nothing mechanical to wear out. Like any saddle-style meter it installs through a hole in the side of the pipe, and can easily be retrofitted to previous propeller meter installations. Powered by an internal battery pack, it is self contained but can also be externally powered to lengthen the life of the batteries.

For current or future wireless datalogging, the AG701 has built-in outputs as a standard feature. In addition, an optional internal datalogger allows local storage of flow history. Remote display is also easily added with an accessory FT420 flow display.

STRAIGHT PIPE REQUIREMENT



SPECIFICATIONS

| | | |
|---|---|--|
| Pipe Size | 8" (Additional sizes under development) | |
| Meter Weight | 11.7 lbs. (5.3 kg) | |
| Pressure | 150 psi (10.3 bar) working pressure | |
| Temperature Range | -40° to 160° F (-40° to 71° C) | |
| Accuracy | +/-1% at 100% to 20% of reading; +/-2% at 20% of reading to cut off | |
| Materials | Body | T-304 stainless steel |
| | Electronics Housing | Aluminum, powder-coated |
| | Electrodes | 316 Stainless |
| Display | Digits | Rate: 6 |
| | Units | Total: 8 |
| | | Gallon/Minute, Liter/Minute, Cubic Feet/Minute Cubic Feet/Hour, Gallon/Second, Liter/Second Cubic Feet/Second, Miner's In**, Cubic Meter/Minute |
| | | Gallon, Gallon x 1000, Liter, Liter x 1000, Mega Liter Cubic Meter, Cubic Meter x 1000, Acre Feet, Cubic Feet, Cubic Feet x 1000, Million Gallon, Miner's Inch Day, Acre Inch |
| Security | Cross-drilled screws and tamper-evident seal | |
| Power | 2 Lithium 3.6V "D" batteries, replaceable, 5 year life (typical application) | |
| | With external power option (uses 7-32 Vdc, 30 mA), Lithium batteries serve as backup in power failure (10 year life) | |
| Pulse Output (with optional cable) | Current sinking pulse, opto-isolated, 24 Vdc, 10 mA max | |
| Empty Pipe Detection | Hardware/software, conductivity-based | |

*Specifications subject to change. Please consult our website for the most current data (www.seametrics.com).

HOW TO ORDER

| MODEL | SIZE | OPTIONS | PULSE RATE (With Option -11) | UNITS | | TOTAL | ORDER |
|-----------------------------------|-------------------------------------|---|---------------------------------|--------------|------------|------------------|-------|
| | | | | RATE | ORDER | | |
| AG701 | 8.625" OD Steel 0.188" WT = -801 | Factory-Installed Power/ Output Cable, 6m (20 ft) = -11/6 | 10 Units*/Pulse = -PxX | Gal/Min | = GPM | Gal | = G |
| | 100 Units*/Pulse = -PxH | | Liter/Min | = LPM | Gal x 1000 | = GT | |
| | 8.625" OD Steel 0.322" WT = -802 | Factory-Installed Power/ Output Cable, 15m (50 ft) = -11/15 | 1000 Units*/Pulse = -PxK | Cu Ft/Min | = CFM | Liter | = L |
| | 8.160" OD PVC 0.160" WT = -803 | | High Frequency = Default | Cu Meter/Hr | = CMH | Liter x 1000 | = LT |
| 8.625" OD PVC 0.322" WT = -804 | Data Logger (internal) = -127 | | | Gal/Sec | = GPS | Mega Liters | = ML |
| | | | | Liters/Sec | = LPS | Cubic Meters | = CM |
| | | | | Cu Ft/Sec | = CFS | Cu Met x 1000 | = CMT |
| | | | | Miner's In** | = MI | Acre Feet | = AF |
| | | | | Cu Met/Min | = CMM | Cubic Feet | = CF |
| | | | | | | Cu Feet x 1000 | = CFT |
| | | | | | | Million Gal | = MG |
| | | | | | | Miner's Inch Day | = MID |
| | | | | | | Acre Inch | = AI |

(*Units = Gal or Liter depending on Rate/Total unit selection) Consult factory for additional units
 **1 miner's inch = 1.2 CFM
 Any rate selection can be combined with any total selection

ACCESSORIES

Remote 4-20 mA (analog) signal = **AO55W** Weather Guard = **31388** Dual Power Supply, 115 Vac, 12/24 Vdc = **PC42**
 Remote Rate and Total Indicator = **FT420W** Post-Factory Power/Output Cable, 6m (20 ft) = **DC30** External Power Supply = **Consult Factory**
 Data Logger (remote mount) = **DL76W** Post-Factory Power/Output Cable, 15m (50 ft) = **DC35** Solar Panel Kit, 5 Watt = **RSP5**