Integrated water measurement system \geq

- Combines flow, pressure and data logging in a single unit
- Built-in multi-speed, multi-channel, dual-variable logger
- High precision, high resolution data logging . Pressure sensor input
 - Enables monitoring and logging of line pressure • Bi-directional as standard
- Equally accurate for forward and reverse flows
- Flash programming technology
 - Supports local or remote via radio upgrade to product firmware
- Supports improved customer service
 - User information for cost management

Improves revenue versus traditional mechanical \geq meters

- Provides broad flow range, highest accuracy
- Retains accuracy

- No moving parts to wear and lose accuracy
- Flow-profile conditioning sensor
 - Tolerant of poor upstream and downstream conditions Bi-directional as standard
 - Equally accurate for forward and reverse flows

Offers lowest installation cost

- Compact & lightweight option to fire service and compound mechanical designs
 - Minimal personnel & equipment required for installation
 - Smaller size allows installation where mechanical meters are cost-prohibited
- Submersible sensor & electronic display unit
- Including flooded pits
- Buriable sensor
 - Eliminates vaults No strainer required
- High accuracy unaffected by debris or turbulence
- Battery powered option
 - Facilitates installation in remote locations
 - No external power supply required

Reduces operating/maintenance cost \geq

- No moving parts to wear and lose accuracy
- No strainer clean-out or valve maintenance
- 3-year battery life (28 months on 14" or larger meters)
- AC power not required
- Lowers inventory cost

Flexibility

- Tariff function
 - Programmable for daily, weekly and seasonal rates Logger database systems
 - Compatible with Technolog[™] (PMAC), Primayer[™] (Primeware), OSI™ PI database, IBV™ (WADIS) and LogMaster



AquaMaster S - the next generation integrated measurement system for water system management



Electronic Water Meter for Water System Management AquaMaster S

The Next Generation

Commercial Water Flow-Meter

AquaMaster[™]S is the next stage in the evolution of the groundbreaking AquaMaster family of flow meters from AMCO. An integrated water measurement system with outstanding performance combining flow, pressure measurement and datalogging in a single unit.

AquaMaster S eliminates system interconnection and configuration issues and ensures reliable start up with reduced overall user costs and improved data resolution for superior water system management.

AquaMaster S is the world's first flowmeter with field upgradeable firmware. This gives the user full 'future-proofing' as it permits future software enhancements to be downloaded to an installed AquaMaster S.

AquaMaster S, available in sizes 5/8" to 24" (15 to 600mm) has been designed specifically for the water industry in response to its stringent demands for enhanced metering capability enabling ever more efficient and cost-effective operation, improved customer service, and compliance with increasing legal requirements.

No External Power Required for Remote Locations

- No external power supply required (2 internal batteries).
- 3-year battery life (28 months on 14" or larger meters).
- Site-replaceable batteries.
- Unique battery management system gives a battery replacement window in excess of 1 year, with no flat battery interruption to measurement.

AquaMaster is the ideal solution for locations where there is no external power. Through new design technology, replaceable internal batteries provide a 3-year battery life, thus eliminating the high cost of providing a power supply to the meter.

Typical Applications

- Production metering
- Bulk revenue
- Treated effluent
- Custody transfer

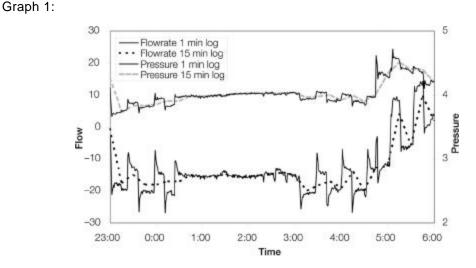


Logger Facility

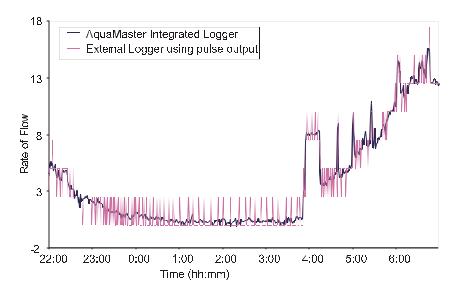
The AquaMaster S display unit also contains a multi-channel, multi-variable logger. The ability of the logger to run at two speeds simultaneously enables the user to investigate, in precise detail, the flow and pressure activity during a period of interest. This logger logs both flow and pressure (with optional pressure transducer) via a direct digital transfer of data, thereby ensuring optimum accuracy and resolution of measurement. Graph 1 (below) illustrates actual measurements showing extra detail captured utilizing the twin loggers. Traditional techniques of counting pulses over a short logging interval leads to 'quantization' effects corresponding to whole numbers of pulses on logger graphs which is shown on Graph 2 (below). AquaMaster S eliminates such effects, averaging digitally over the selected logging interval. Such high resolution data facilitates step testing, leak detection and water system analysis. The AquaMaster's internal loggers feature an advanced automatic time synchronization feature which ensures operation on synchronized time boundaries, no matter what logging interval is set. This ensures all flow and pressure (with optional pressure transducer) data, when combined with data from other meters, is precisely synchronized, facilitating precise system balance.

For revenue application, not only is the flow and pressure logged information available, but included is a totalizer and tariff logger, which logs all volume totals (forward, reverse, net) and tariff reading totals every midnight. Its memory of 366 days keeps all records for one year. The readings stored are the precise register volumes and are not inferred by intergration of pulses or other similar techniques.

Security is incorporated where access to the loggers and modifying the configuration of logger setup is protected by user resettable passwords.



Graph 2:



Support Software

AquaMaster S is available with a variety of industry standard third party software, Technolog[™] [PMAC], Primayer[™] [Primeware], OSI[™] PI database and IBV[™] [WADIS], for downloading, managing, analysis and display of data, either directly from the RS232 port or via telemetry. Separate specification sheets are available describing these systems.

AMCO also supplies LogMaster, a simple-to-use PC software program which provides local communication to the AquaMaster S. It enables full control and downloading of the on-board datalogger. A file-save facility enables data to be exported in CSV format for charting in Microsoft[™] Excel or similar spreadsheets. LogMaster is Windows[™] 98 & NT compatible, available in a variety of different languages.

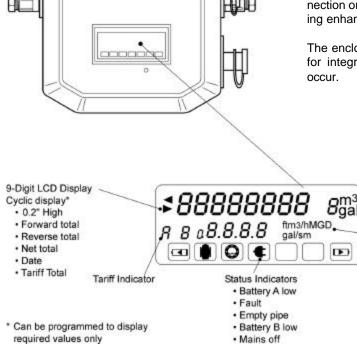
Electronic Display Unit

- Comprehensive display
- Submersible for use in flooded pits rated IP68 (NEMA 6)
- Resettable or secure totals
- 1/5" high displays for totals (exceeds AWWA register digit requirements)
- Total security: Two user-security levels Anti-tamper switch and seals
- Three outputs (forward & reverse pulse, or pulses & direction and alarm)

The AquaMaster[™] Electronic Display Unit provides the most comprehensive range of flow data and information currently available to the water industry. If all the data is not required, the unit can be configured so that only the required values are displayed, thus ensuring simple reading with no superfluous data. Likewise, the display is available for top or side viewing, depending on the location of the meter, for easy reading in all locations.

The AquaMaster's program memory or firmware uses reprogrammable Flash memory technology which has been enhanced to allow this firmware to be upgraded in the field, via a local serial port connection or a radio link, if fitted. This future-proofs AquaMaster, making enhancements or new features available to installed units.

The enclosure is provided in an IP68 rated metal version designed for integral or remote mounting where possible submersion can occur.



AcuaMaster S

Standard Tariff Setting

AquaMaster S incorporates a multiple tariff feature where the accumulated flow volume is routed to one of two 8-digit signed tariffs; tariff A and tariff B, depending on time and date. It is fully programmable by the user for time of day, day of week or date during the year. These user-defined times/dates can be combined in a variety of modes as illustrated in the accompanying tables.

Weekly Cycle Defined

| Mode | Tariff A | Tariff B |
|------|--|---|
| 1 | Day time during weekend | Night time at weekend + day and night during week |
| 2 | Day time during week | Night time during week + day and night during weekend |
| 3 | All day times | All night times |
| 4 | Night time during weekend | Day time during weekend + day and night during week |
| 5 | Day and night during weekend | Day and night during week |
| 6 | Day time during weekend + night time during weekend | Night time during week + day time during weekend |
| 7 | All day times + night time during weekend | Night time during week |

Yearly Cycle Defined

| Mode | Tariff A | Tariff B |
|------|--|--|
| 1 | Day time during summer | Night time during summer + day and night during winter |
| 2 | Day time during winter | Night time during winter + day and night during summer |
| 3 | All day times | All night times |
| 4 | Night time during summer | Day time during summer + day and night during winter |
| 5 | Day and night during summer | Day and night during winter |
| 6 | Day time during winter + night time during summer | Night time during winter + day time during summer |
| 7 | All day times + night time during summer | Night time during winter |

Electronic Water Meter for Water System Management AquaMaster S

Easy, Low Cost Installation

No matter what the location or installation requirements, AquaMaster™ provides a cost-effective solution.

Both the sensor and the Electronic Display Unit are fully submersible, enabling installation in flooded meter vaults.

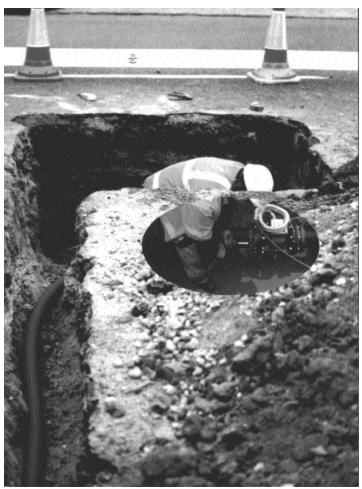
In addition, the sensor is buriable, thus eliminating the expense of a vault. Installation merely involves excavating to the pipeline, fitting the sensor and back filling the hole, to ensure very fast, low cost installation. The associated Electronic Display Unit is then located in the most convenient position for the user, up to 650 feet from the sensor.

For new installations, the elimination of ancillary items (such as strainers) reduce material and installation cost. AquaMaster's compact size allows easy replacement of compound or turbine meters with the addition of spool pieces.

These factors, together with the innovative 'Fit and Flow™' system, ensure foolproof installation with total user confidence.

'Fit and Flow™'

- No need to match sensor and Electronic Display Unit
- Fast, reliable installation
- Foolproof, no errors
- Sensor stores all calibration factors, site settings numbers etc.
- Volume totalizer and tariff values backed-up every 5 minutes in sensor for total security
- Multiple, programmable password levels stored for measurement security
- Tamper resistant



Underground Installation of AquaMaster™

New Performance Standards

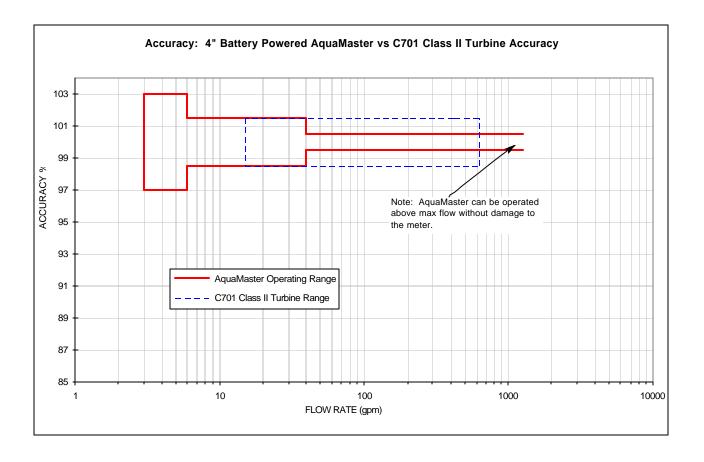
Calibration Characteristics for AquaMaster S

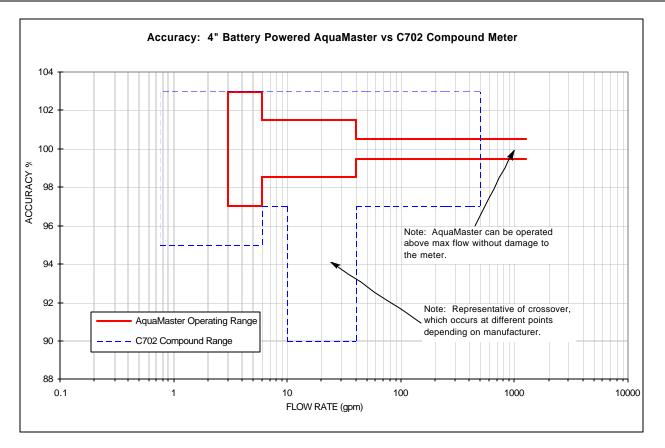
The broadest flow range, optimum accuracy and long-term stable calibration means that AquaMaster sets new performance standards in the water industry.

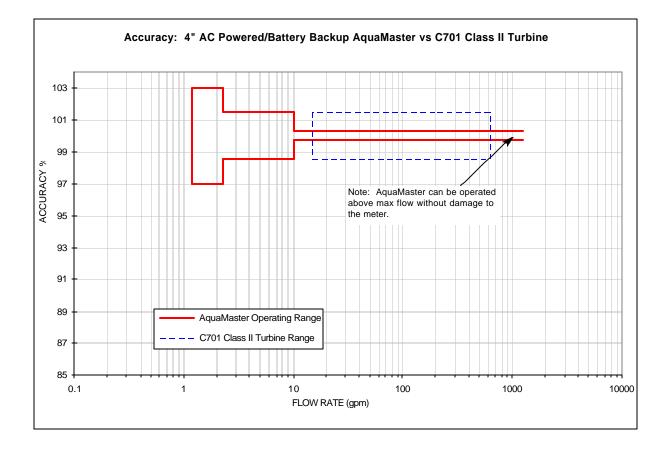
Using the 4" AquaMaster as an example, the charts below illustrate AquaMaster's performance versus new mechanical meters. Compared to AWWA 701 Class II Turbine Meters, AquaMaster measures significantly lower flows while more accurately measuring the entire turbine flow range.

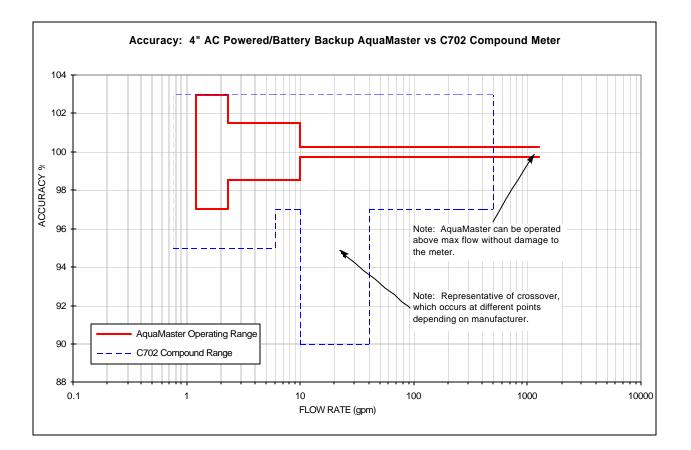
AquaMaster's high accuracy over a broad flow range also offers a revenue advantage over AWWA C702 Compound Meters. As illustrated for the 4" size, in addition to great accuracy at low flows and $\pm 0.5\%$ (AC $\pm 0.25\%$) for normal and high flows, AquaMaster avoids the accuracy loss that occurs at crossover in Fire Service and Compound Meters. The clear bore of the AquaMaster eliminates the possibility of damage by particulate matter and the absence of moving and wearing components enures that this unique level of performance is maintained long term.

The unique design of the AquaMaster sensor conditions the flow profile in the measuring section so that distortions in the flow profile, either upstream or downstream, are flattened, resulting in excellent in situ meter performance, even with poor hydraulic installation conditions.









General Specification

AquaMaster - Operating Parameters

| | Maximum Flow (gpm) Continuous Duty Flow | | Accuracy AC Powered | | | Accuracy Battery Powered | | | Head Loss at |
|--------|---|--|----------------------------|--------------------------------|--|-------------------------------|--------------------------------|------|--------------------------|
| | AC: 99.75%-100.25% Bat: 99.5%-100.5% | (gpm) AC: 99.75%-100.25% Bat: 99.5%-100.5% | Low Flow (gpm) 97%-103% | Low Flow (gpm) 98.5%-101.5% | Normal Flow (gpm) 99.75%-100.25% | Low Flow (gpm) 97%-103% | Low Flow (gpm) 98.5%-101.5% | | Continuous Flow (psi) |
| 5/8" | 22 | 18 | 0.03 | 0.06 | 0.33 | 0.08 | 0.15 | 1.0 | 8.2 |
| 3/4" | 35 | 28 | 0.05 | 0.09 | 0.55 | 0.12 | 0.23 | 1.7 | 7.1 |
| 1" | 55 | 44 | 0.08 | 0.15 | 0.77 | 0.19 | 0.37 | 2.2 | 8.9 |
| 1 1⁄2" | 136 | 110 | 0.19 | 0.37 | 6.60 | 0.46 | 0.92 | 6.6 | 7.1 |
| 2" | 220 | 176 | 0.3 | 0.60 | 6.60 | 0.74 | 1.47 | 10.0 | 6.8 |
| 3" | 756 | 440 | 0.8 | 1.50 | 8.80 | 1.84 | 3.67 | 26 | 7.0 |
| 4" | 1,268 | 700 | 1.2 | 2.30 | 10 | 3.0 | 5.9 | 40 | 7.1 |
| 6" | 2,838 | 1,760 | 3 | 6 | 30 | 7.5 | 15 | 101 | 8.9 |
| 8" | 3,658 | 2,770 | 4.5 | 9 | 60 | 11.5 | 23 | 167 | 5.5 |
| 10" | 5,855 | 4,400 | 7.5 | 15 | 90 | 18.5 | 37 | 264 | 6.9 |
| 12" | 8,806 | 7,040 | 11.5 | 23 | 130 | 29.5 | 59 | 396 | 7.0 |
| 14" | 8,806 | 7,040 | 23.5 | 47 | 352 | 73.5 | 147 | 528 | 3.5 |
| 16" | 13,759 | 11,000 | 36.5 | 73 | 440 | 91.5 | 183 | 660 | 6.8 |
| 18" | 19,263 | 15,400 | 51.5 | 103 | 570 | 128.5 | 257 | 859 | 8.3 |
| 20" | 22,014 | 17,600 | 58.5 | 117 | 660 | 183.5 | 367 | 991 | 8.7 |
| 24" | 34,673 | 27,700 | 92.5 | 185 | 1100 | 231.0 | 462 | 1651 | 5.3 |

AquaMaster Operating Parameters Compared to AWWA Class II Turbine Meters (C701)

| | Maximum Flow | | Continuous Duty Flow | | Low | Low Flow | | Head Loss at C701 SMOC | |
|-----|---|--------------------------------|---|----------------------------------|--|--|----------------------------------|---------------------------|------------------|
| | AquaMaster (gpm) AC: 99.75%-100.25% Bat: 99.5%-100.5% | C701-88 (gpm) 98.5% -101.5% | AquaMaster (gpm) AC: 99.75%-100.25% Bat: 99.5%-100.5% | C701-88 (gpm) 98.5%-101.5% | AquaMaster AC (gpm) 98.5%-101.5% | AquaMaster- Battery (gpm) 98.5%-101.5% | C701-88 (gpm) 98.5%-101.5% | AquaMaster (psi) | C701-88 (psi) |
| 2" | 220 | 160 | 176 | 100 | 0.6 | 1.47 | 4 | 5.63 | 7 |
| 3" | 756 | 350 | 440 | 240 | 1.5 | 3.67 | 8 | 4.45 | 7 |
| 4" | 1268 | 630 | 700 | 420 | 2.3 | 5.9 | 15 | 5.74 | 7 |
| 6" | 2838 | 1400 | 1760 | 920 | 6 | 15 | 30 | 5.62 | 7 |
| 8" | 3658 | 2400 | 2770 | 1600 | 9 | 23 | 50 | 4.11 | 7 |
| 10" | 5855 | 3800 | 4400 | 2500 | 15 | 37 | 75 | 5.12 | 7 |
| 12" | 8806 | 5000 | 7040 | 3300 | 23 | 59 | 120 | 3.54 | 7 |

AquaMaster Operating Parameters Compared to AWWA Compound Meters (C702) Part 1

| | Maximum Flo | W | Continuous D | uty Flow | Normal Flow |
|----|---|----------------------------|--|-------------------------------|--------------------------------|
| | AquaMaster (gpm) AC: 99.75% - 100.25% Bat: 99.5% - 100.5% | C702-92 (gpm) 97% -103% | AquaMaster (gpm) AC: 99.75% -100.25% Bat: 99.5% - 100.5% | C702-92 (gpm) 97% -103% | C702-92 (gpm) 97% - 103% |
| | 220 | 160 | 176 | 80 | 2 |
| 1 | 756 | 320 | 440 | 160 | 4 |
| | 1268 | 500 | 700 | 250 | 6 |
| | 2838 | 1000 | 1760 | 500 | 10 |
| | 3658 | 1600 | 2770 | 800 | 16 |
|)" | 5855 | 2300 | 4400 | 1150 | 32 |

AquaMaster Operating Parameters Compared to AWWA Compound Meters (C702) Part 2

| | | Head Loss at C702 SMO C | | | | | |
|-----------------------|----------------|----------------------------|----------------|---------------------|---------------------|------------------|--|
| AquaMaster - AC (gpm) | | AquaMaster - Battery (gpm) | | C702-92 | | | |
| 97% - 103% | 98.5% - 101.5% | 97% - 103% | 98.5% - 101.5% | (gpm) 95% - 101% | AquaMaster (psi) | C702-92 (psi) | |
| 0.3 | 0.6 | 0.7 | 1.47 | 0.25 | 5.63 | 20 | |
| 0.8 | 1.5 | 1.8 | 3.67 | 0.5 | 3.72 | 20 | |
| 1.2 | 2.3 | 3.0 | 5.9 | 0.75 | 3.62 | 20 | |
| 3 | 6 | 7.5 | 15 | 1.5 | 2.87 | 20 | |
| 4.5 | 9 | 11.5 | 23 | 2 | 1.83 | 20 | |
| 7.5 | 15 | 18.5 | 37 | 4 | 1.88 | 20 | |

2" 3" 4" 6" 8"

10"

...General Specification

Wetted Materials

Screw End Meters (5/8" - 1") Brass

Flanged meters (1 1/2" - 24") Stainless Steel

Electrodes Stainless Steel 316L

Lining Suitable for potable water

Pressure Limitations As flange rating

Conductivity >50µS/cm

End Connections

Thread end connections 5/8" meter - 3/4" NPSM 3/4" meter - 1" NPSM 1" meter - 1 1/4" NPSM

1 $\frac{1}{2}$ to 12" (40 to 300mm) flanged

ANSI B16.5 1.5 Class 150 BS4504/ISO 7005 - PN16, PN10 AS 2129 Tables C, D and E AS 4087/14, AS4087/16 JIS to BS2210, 5k, 10k and 30k BS10 Tables D and E

14" to 24" (350 to 600mm) flanged ANSI B16.5 1.5 Class 150 BS4504/ISO 7005 - PN10, PN16

Temperature Ranges

Electronic Display Unit

Mounting

Integral with sensor or Remote up to 650 ft (200m)

Housing

IP68 (NEMA 6P) Aluminum Alloy with Glass Window

Electrical Connections

20/16mm plastic glands, 20mm armored, or accepts 1/2 in. NPT threaded or military style plug & socket

Sensor Cable

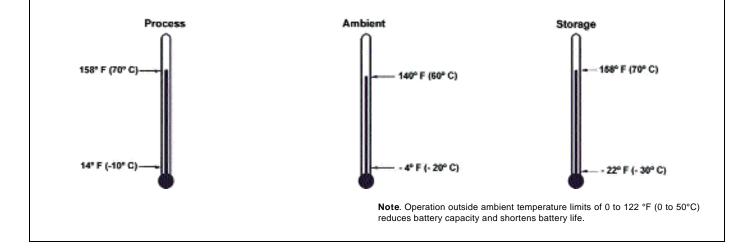
AMCO WMS cable supplied as standard SWA cable available on application

Power Supply

Battery life @ 32° to 122°F (0 to 50°C)

- 1 battery typically 1.2 years
- 2 batteries typically 3 years (28 months for 14" or larger)

| Type | Voltage Range (V) Absolute Rating | Frequency (Hz) | VA |
|---------|--------------------------------------|----------------|-----|
| AC | 85 to 265 | 47 to 440 | <10 |
| Battery | 3.6 (Lithium) | - | - |



... Electronic Display Unit

Pulse and Alarm Outputs

Three bi-directional solid state switches with common isolation $\pm 35V$ DC 50mA.

Output 1 Forward only, or forward plus reverse pulses

Output 2 Reverse pulses, or direction indicator

Output 3 Alarm indicates any problems with the measurement or unit power

Pulse output 50Hz maximum, 50% nominal duty cycle

Serial Data Communications

Local Port RS232 compatible via AMCO WMS lead (Option)

Remote Port (Option) RS232 with RI, RTS and CTS handshaking for connection to

handshaking for connection to a modem or computer

Telemetry applications using

remote serial data communications

External PSTN modem Modem PSTN modems which store configuration setup on non-volatile memory (for configuration information contact AMCO Water)

Pressure System - Optional External Transducer

Pressure range absolute

10, 16bar or 300 lb/in²

Connection

Standard quick-fit male probe MIL style connector

Operating temperature range

-4 to 158°F (-20 to 70°C)

Accuracy (typical)

±0.4% of range

Thermal error band (typically 212°F [100°C]) ±1.5% span

Cable length

3, 16 or 32 ft (1, 5, 10 or 20m)

Logger details

| | Logger | | | | |
|--|------------------------------|---------------------|---|--|--|
| | - 1 | 2 | 3 | | |
| Logger Function | Flow & Pressure | Flow & Pressure | Forward, Reverse & Net Flow Totals | | |
| No. of Records | 8831 | 11361 | 366 | | |
| Logging Interval | 15 to 65500s (adjustable) | | 24 hours (fixed) | | |
| Typical Capacity | 3 months @15min. | ~7 days @ 1 min. | 1 year | | |
| Mode | Cyclic | Cyclic | Cyclic | | |
| Use ABB LogMaster | 4 | 4 | 4 | | |
| Use Technolog (PMAC) | 4 | 4 | 8 | | |
| Use Primayer Primeware | 4 | 4 | 8 | | |
| Use OSI PI Database/ IBV (WADIS) System | 4 | 4 | 8 | | |

Response Time (Programmable)

Minimum

1s (AC powered)

15s (battery powered)

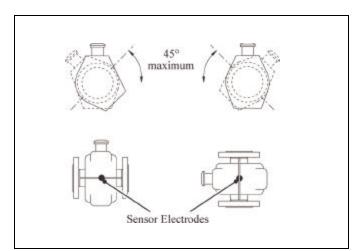
Languages

English French Spanish

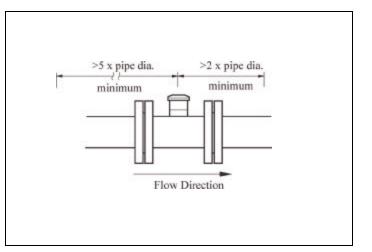
Languages can be changed via Windows download program (contact AMCO Water)

...General Specification

Mounting



Pipe Conditions



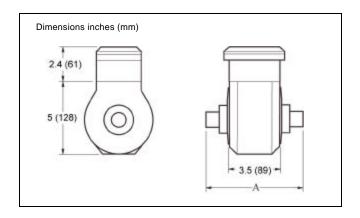
Default Settings Table

| Configuration Parameter | Default North America |
|-------------------------------|-----------------------|
| Pulse Factor | 1 |
| Pulse Units | Ugal |
| Totalizer Units | Ugal |
| Full Scale Flow | Iso 4064 Qn |
| Flow Units | MUGD |
| Velocity Units | ft/s |
| Date Format from Country Code | MMDDYY |
| Flow Response Time (s) | 3 |
| Display Flow Rate | Yes |
| Display Forward Total | Yes |
| Display Reverse Total | Yes |
| Display Net Total | No |
| Display Date | No |
| Display Velocity | No |
| Output Option Pulse Forward | Pulses Forward |
| Output Option Pulse Reverse | Pulses Reverse |
| Profile Factor | 1 |
| Probe Insertion Factor | 1 |

Sensor Specification (nominal dimensions)

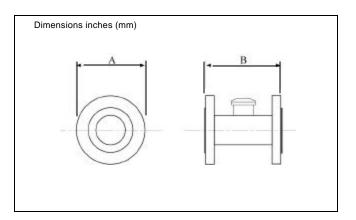
5/8" to 1" (16 to 25mm) - Screw Ends

| Meter Size | | Dimensions in. (mm) | Connection | Approx. Weight | |
|------------|----|------------------------|---------------------------------|-------------------|-----|
| in. | mm | А | | lb | kg |
| 5/8 | 16 | 4.7 (119) | G 3/4 in. B or 3/4 in. NPSM | 5 | 2.5 |
| 3/4 | 20 | 5 (127) | G 1 in. B or 1 in. NPSM | 5 | 2.5 |
| 1 | 25 | 5 (127) | G 1 1/4 in. B or 1 1/4 in. NPSM | 5 | 2.5 |



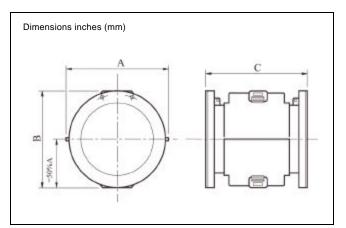
1 1/2" to 12" (40 to 300 mm) - Flanged

| Mete | r Size | Dimensions | Dimensions in. (mm) Approx. We | | Weight |
|-------|--------|-------------|--------------------------------|-----|--------|
| in. | mm | А | В | lb | kg |
| 1 1/2 | 40 | 7 (176) | 7.9 (200) | 20 | 9 |
| 2 | 50 | 7 (176) | 7.9 (200) | 23 | 10 |
| 3 | 80 | 8.6 (219) | 7.9 (200) | 40 | 18 |
| 4 | 100 | 9.8 (230.5) | 9.8 (250) | 54 | 24 |
| 6 | 150 | 11.8 (281) | 11.8 (300) | 84 | 38 |
| 8 | 200 | 15.8 (402) | 13.8 (350) | 81 | 37 |
| 10 | 250 | 17.3 (440) | 17.7 (450 | 132 | 60 |
| 12 | 300 | 18.9 (480) | 19.7 (500) | 154 | 70 |



14" to 24" (350 to 600 mm) - Flanged

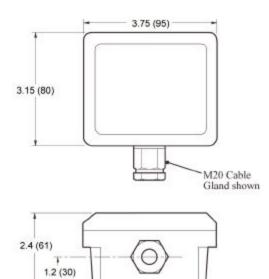
| Met | er Size | Dimensions in. (mm) | | | Approx | x. Weight |
|-----|---------|---------------------|------------|------------|--------|-----------|
| in. | mm | А | В | С | lb | kg |
| 14 | 350 | 20.2 (513) | 20.5 (520) | 21.7 (550) | 220 | 100 |
| 16 | 400 | 22.4 (570) | 22.7 (576) | 23.6 (600) | 253 | 115 |
| 18 | 450 | 24.9 (632) | 24.7 (627) | 27.5 (698) | 352 | 160 |
| 20 | 500 | 27.0 (686) | 26.7 (679) | 30.2 (768) | 455 | 217 |
| 24 | 600 | 30.4 (772) | 30.3 (770) | 36.1 (918 | 693 | 315 |



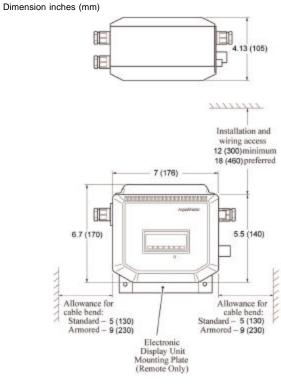
Overall Dimensions

Terminal Box - Sensor Mounted

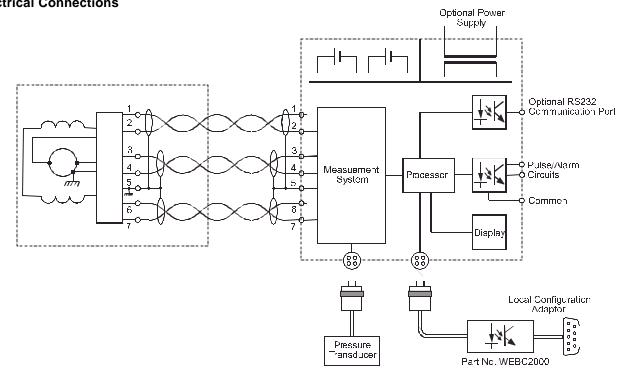
Dimensions inches (mm)



IP68/NEMA6P Electronic Display Unit



Note. For integral mounting, the Electronic Display Unit is supplied mounted on top of the terminal box.



Electrical Connections



AMCO Water Metering Systems Inc.

www.amcowater.com

United States

AMCO Water Metering Systems P.O. Box 1852 Ocala, FL 34478-1852 352-732-4670 FAX 352-368-1950 Outside FL: 800-874-0890 Inside FL: 800-356-6829 email: watermeters@amcowater.com

<u>Canada</u>

Elster Water 3450 Harvester Road Burlington, Ontario L7N 3W5 866-703-7582 905-634-4895 FAX 905-634-6705 email: watermeters@ca.elster.com Caribbean AMCO Water Metering Systems P.O. Box 225 Carretera 112 KM 2.3 Isabela, PR 00662 787-872-2006 FAX 787-872-5427 email: prwatermeters@amcowater.com

<u>Mexico</u>

Elster Medidores Lago Onega #281 Col. Modelo Pensil. Del. Miguel Hidalgo C P 11460 525 55 203 8002 FAX 525 55 203 8270 email: amcowater@prodigy.net.mx

AMS-TS/01-03

AquaMaster is a trademark of ABB Inc.

© 2003 AMCO Water Metering Systems Inc. All rights reserved.