



# ONICON

Flow and Energy Measurement

## D-1200 FLOW METER DISPLAY MODULE

ONICON's D-1200 series is a family of remote displays for indication of flow rate and total volume for a variety of applications.



• Chilled Water • Hot Water • Condenser Water • Domestic Water •



D-1202 Shown

**DESCRIPTION AND FEATURES**

D-1200 series displays are modular flow display centers that convert ONICON insertion and inline flow meters into complete flow monitoring stations. The wall-mounted modules display the current flow rate and total and provide a low voltage DC power source capable of powering most ONICON inline and insertion flow meters.

The versatile display module can be located close to the flow meter or up to several hundred feet away. Using the flow meter with the display module will also allow you to support other remote devices such as BTU meters, building control systems, and data acquisition systems.

**APPLICATIONS**

- HVAC chilled water, condenser water, and heating hot water flow monitoring
- Domestic water flow monitoring
- Municipal water flow monitoring

**FLOW METER MODELS SUPPORTED**

Flow Meter Models	Display Options
F-1000 Series Turbine	Rate & Total
F-3500 Insertion Electromagnetic	Rate & Total

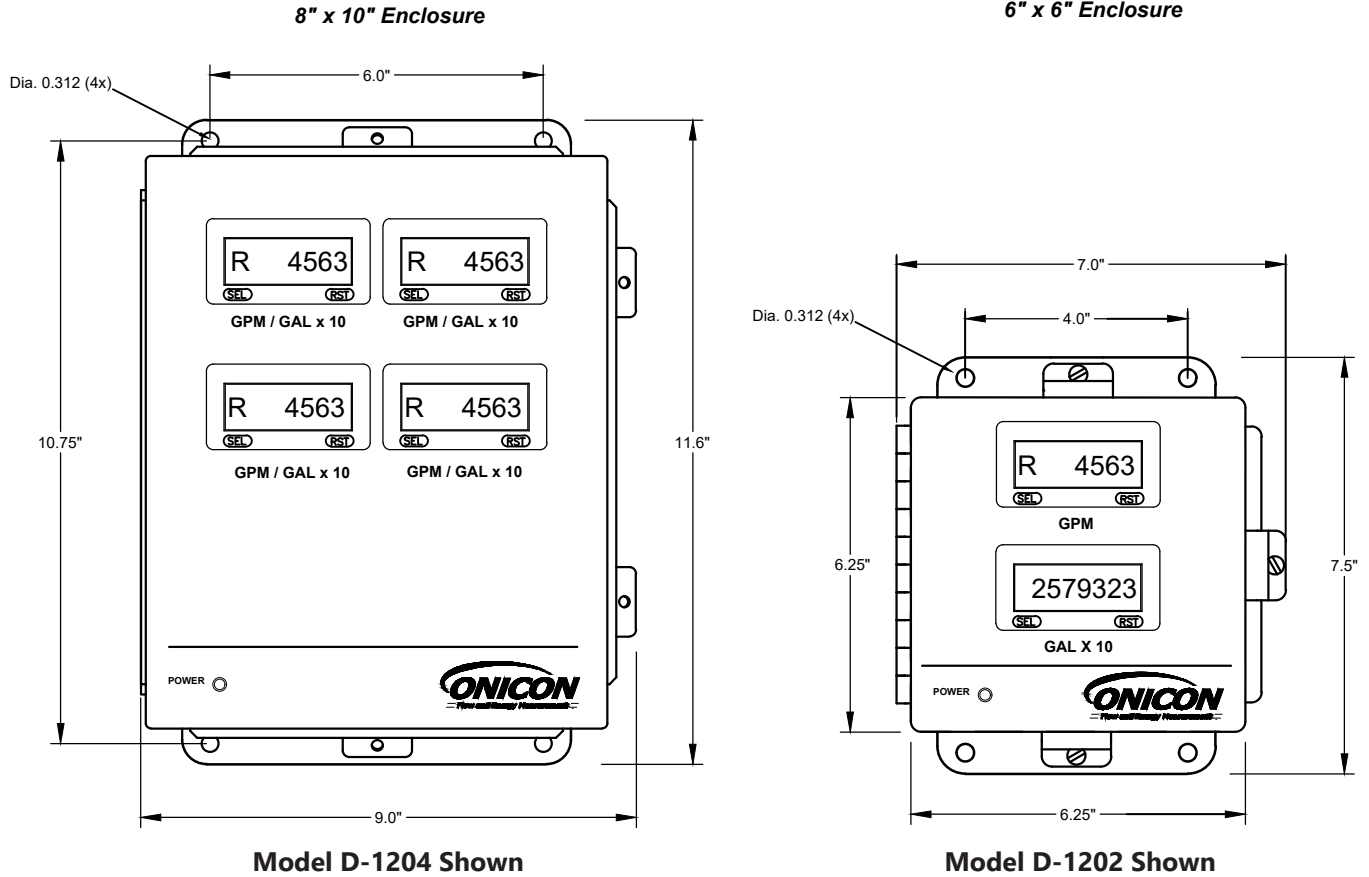
**SPECIFICATIONS\***

D-1200		
PERFORMANCE	Non-volatile EEPROM memory	
INPUT POWER**	AVAILABLE OPTIONS	<ul style="list-style-type: none"> <li>• 24 V AC/DC, 50/60 Hz, 18 VA max</li> <li>• 120 VAC, 60 Hz, 30 VA max</li> <li>• 230 VAC, 50 Hz, 30 VA max</li> </ul>
I/O SIGNAL	INPUT	0-15 VDC frequency, 500 Hz max
	OUTPUTS	Output signal(s) ordered with flow meter(s) for connection to BAS/BMS 24 VDC, 250 mA max output power supply for use with flow meter(s)
ELECTRONICS ENCLOSURE**	NEMA 4 enclosure with display(s)	
	DISPLAY	Numeric LCD display(s), 0.46" high digits
	AMBIENT CONDITIONS	-20°F to 140°F 0 to 85% RH (non-condensing)
PROGRAMMING	Menu driven user interface via two (2) programming keys	
ELECTRICAL CONNECTIONS	Terminal block, for use with 18-22 Ga. wire	

\*Specifications subject to change without notice.

\*\* See model codification for additional information regarding option selections.

**TYPICAL INSTALLATION**



**METER ORDERING INFORMATION**

**Meter Model Number Coding = D-12AA-BCDDE(-SPC)**

**AA = Number of Displays**

- 01 = One (1) display
- 02 = Two (2) displays
- 03 = Three (3) displays
- 04 = Four (4) displays
- 05 = Five (5) displays
- 06 = Six (6) displays

**B = Electronics Enclosure**

- 1 = NEMA 4 enclosure, 6 x 6
- 2 = NEMA 4 enclosure, 8 x 10

**C = Input Power**

- 1 = 24 VAC, 18 VA (available for B = 1 only)
- 2 = 120 VAC, 30 VA
- 3 = 240 VAC, 30 VA
- 4 = 24 VDC, 8 W (available for B = 1 only)

**DDE = Configuration**

- 010 = Supports one (1) flow meter input
- 020 = Supports two (2) flow meter inputs
- 030 = Supports three (3) flow meter inputs
- 040 = Supports four (4) flow meter inputs
- 050 = Supports five (5) flow meter inputs
- 060 = Supports six (6) flow meter inputs
- 112 = Supports one (1) bi-directional input

**SPC = Special Configuration**

- 101 = Bi-directional input, LCD's directionally dependent

## AVAILABLE MODEL NUMBERS

Model Number	Description	Notes
D-1201-1X010	Display module with one (1) LCD, 6 X 6 NEMA 4 enclosure. Configured for use with one (1) flow meter.	
D-1202-1X010	Display module with two (2) LCD's, 6 X 6 NEMA 4 enclosure, Configured for use with one (1) flow meter.	
D-1202-2X020	Display module with two (2) LCD's, 8 X 10 NEMA 4 enclosure, Configured for use with two (2) flow meters.	120 VAC or 240 VAC only
D-1203-2X030	Display module with three (3) LCD's, 8 X 10 NEMA 4 enclosure, Configured for use with three (3) flow meters.	120 VAC or 240 VAC only
D-1204-2X040	Display module with four (4) LCD's, 8 X 10 NEMA 4 enclosure, Configured for use with four (4) flow meters.	120 VAC or 240 VAC only
D-1205-2X050	Display module with five (5) LCD's, 8 X 10 NEMA 4 enclosure, Configured for use with five (5) flow meters.	120 VAC or 240 VAC only
D-1206-2X060	Display module with six (6) LCD's, 8 X 10 NEMA 4 enclosure, Configured for use with six (6) flow meters.	120 VAC or 240 VAC only
D-1202-2X112-101	Display module with two (2) LCD's, 8 X 10 NEMA 4 enclosure, aux. bi-directional scaled pulse output Configured for use with one (1) bi-directional flow meter. LCD directional dependent.	120 VAC or 240 VAC only. For use with F-3500-12 only.

### NOTE

**Complete codification is based on input power.**

