



Wall Panel Series Panel Mounted Products

Wall Panel Series

The Wall Panel Series offers the ability to panel mount the OV-110, OV-1000, and CV-230 automatic feed rate control valves offered by Hydro Instruments.

- Wall panel mounting simplifies the installation process providing easy access to the equipment for operation and maintenance. Panel mounting minimizes the equipments footprint which conserves space and eliminates the use of cabinets.
- Every panel is constructed from the highest quality “high density polyethylene” plastic and schedule 80 PVC piping. Panels are available in standard sizing for the most common configurations. Custom panels are also available. The bypass piping and valve arrangements allows for simple manual feed control whenever maintenance or calibrations are needed on the control valve.



OV-110 and OV-1000 Control Options (all standard)

- Manual Control
- Proportional (Flow) Control
- Set Point (Residual) Control
- Set Point (ORP) Control
- Compound Loop (PID) Control
- Step Feed Rate Control
- Dual Input Feed Forward
- Dual Set Point Control

*Control modes are field selectable
and can be changed at any time.*

OV-110 and OV-1000 Highlighted Features

- 2 x 20 Character Liquid Crystal Display
- Modbus Communication (RS-485)
- 3 Analog Inputs (Flow, Residual and Remote Dosage)
Adjustable: Dosage, Set Points, Lag Time,
Signal Filters, Display Ranges, Alarms & More
- Linear Operation Eliminates
Rotary Drive Gears & All Rotating Motion
- Broad Range of Chemicals & Capacities
- Two 4-20 mA Outputs
- Password Protected Settings
- External control of: Duty/Standby & Auto/Manual



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Custom Configurations and Options

Wall Panel Series 110 Omni-Valve Order Information

Model: WPOV-110 – – – – – – – – – – – –

A B C D E F G H I J K

Position	Feature	Description
A. MAXIMUM CAPACITY	1	500 ppd (10 kg/hr):
	2	2000 ppd (40 kg/hr):
	3	6000 ppd (120 kg/hr):
B. GAS OR LIQUID	A	Ammonia (NH ₃)
	B	Sodium Bisulfite (NaHSO ₃)
	C	Chlorine (Cl ₂)
	S	Sulfur Dioxide (SO ₂)
	H	Sodium Hypochlorite (NaOCl)
	Other	Consult Factory
C. FLOW METER CAPACITY <i>Note: For liquid use please specify the desired max capacity.</i>	1	10 ppd (200 gr/hr)
	2	25 ppd (500 gr/hr)
	3	50 ppd (1 kg/hr)
	4	100 ppd (2 kg/hr)
	5	250 ppd (5 kg/hr)
	6	500 PPD (10 kg/hr)
	6A	500 PPD (10 kg/hr) RM-702 <i>RM-702 Rate Valve Knob protrudes from front of meter</i>
	7	1000 ppd (20 kg/hr)
	8	2000 ppd (40 kg/hr)
	9	3000 ppd (60 kg/hr)
	10	4000 ppd (80 kg/hr)
11	6000 ppd (120 kg/hr)	
D. POWER REQUIREMENTS	1	120V 60Hz
	2	240V 50Hz
E. CONTROL CONFIGURATION	1	Flow Pacing
	2	Residual
	3	ORP
	4	Compound Loop (Residual)
	5	Compound Loop (ORP)
	6	Step Feed
	7	Dual Input Feed Forward
	8	Dual Set Point
F. POWER CABLE LENGTH	1	6 feet (1.5 m) standard
	2	Other (consult factory)
G. SIGNAL CABLE LENGTH	1	25 feet (8 m) per input channel
	2	Specify length required
H. 4-20 mA OUTPUT	1	Not Included
	2	Included
I. POWER LINE ISOLATOR	1	None (standard)
	2	Included
J. BYPASS PIPING ARRANGEMENT	1	None
	2	Up to 500 ppd (10 kg/hr)
	3	2000 ppd (40 kg/hr)
	4	3000 ppd (60 kg/hr)
	5	6000 ppd (80 kg/hr)
K. DIFFERENTIAL PRESSURE REGULATOR	1	None
	2	Up to 250 ppd (5 kg/hr)
	3	500 ppd (10 kg/hr)
	4	2000 ppd (40 kg/hr)
	5	3000 ppd (60 kg/hr)
	6	4000 ppd (80 kg/hr)
	7	6000 ppd (120 kg/hr)

NOTES:

- Standard flow tubes for up to 250 PPD (5 kg/hr) are 3" length. For 6" flow tubes on Item C=1-5, add an "A" after this number (i.e., 3 becomes 3A).
- Port sizes are as follows:
 - up to 250 PPD (5 kg/hr) has ¼" NPT
 - 1000 & 2000 PPD (20 & 40 kg/hr) has 1" NPT
 - 500 PPD (10 kg/hr) has ½" NPT
 - 3000, 4000, & 6000 PPD (60, 80, & 120 kg/hr) has 1.5" Socket



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