

2108 Analog Output Module

This module provides three independent current outputs for Isco 2150, 2151, 2151P, 2110, and 2150EX flow modules, allowing easy interface with SCADA/DCS or other secondary instrument systems.

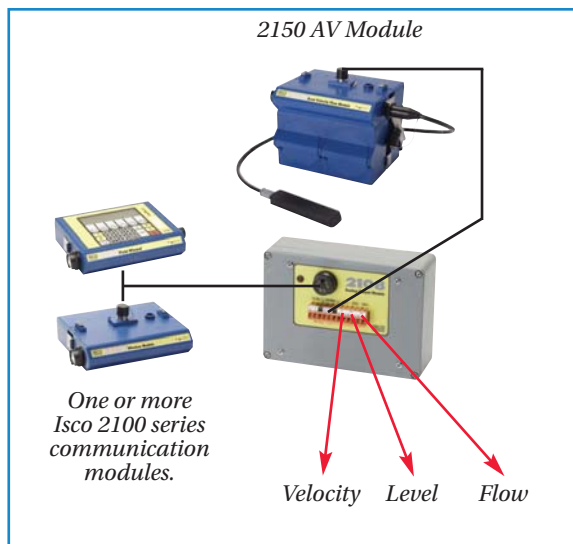
It is DIN rail mounted and uses a 7-26V DC power supply.

Standard Features

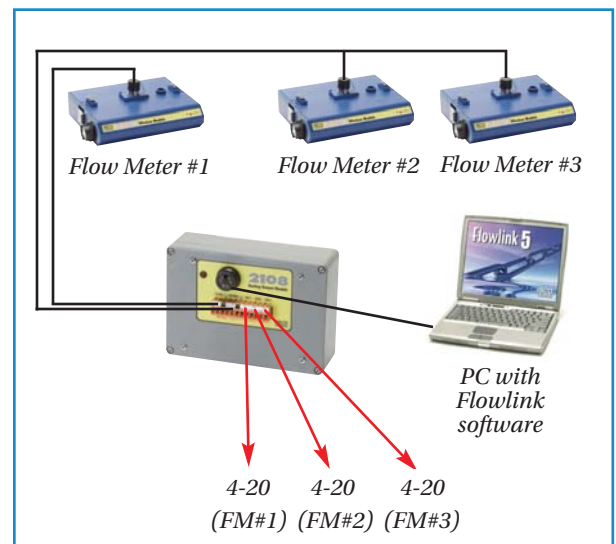
- ▶ Three independent, isolated outputs per module.
- ▶ Outputs are freely programmable for any parameter measured by a 2100 Series Flow Module.
- ▶ When more than one module is stacked or networked, each output can be configured for any parameter of any module connected to the 2108.
- ▶ The 2108 Module can be mounted as far as 3,000 ft from other modules (Isco's Quick-disconnect is recommended to simplify the installation).
- ▶ Isco Flowlink® software (v 4.15 and higher) can interrogate any 2100 Series module through the 2108, eliminating the need for entering a manhole to retrieve data.



Single module (example)



Multiple modules (example)



Specifications

2108 Analog Output Module

Size (H x W x D): 4.764 x 6.732 x 2.165 in (12.1 x 17.1 x 5.5 cm)
Weight: 1.3 pounds (0.6 Kg)
Case Material: ABS
Enclosure Rating: NEMA 1, IP20
Number of Analog Output Channels: 3
Individual Channel Specifications
Output range: 4 - 20mA*
Maximum load resistance: 600 Ω
Isolation: Output galvanically isolated from DC power, from the network, and the other outputs.
Accuracy: *Integral Non-linearity:* ±0.012% max
Offset: (0mA or 4mA) (Ta=25°C): ±0.05% max
Offset Drift: 50 ppm/°C max
Total Output Error: (20mA or 24mA) (Ta=25°C): ±0.15% max
Total Output Error Drift: 50 ppm/°C max
PSRR: 10 µA/V max
Resolution: 16 bits, 244 nA, 0.0015% of 16mA span
Power: 7.0 to 26.0V DC, 300 mA typical at 12V DC, 280 mA standby.
Setup and Data Retrieval: PC with Isco Flowlink® Software (version 4.15 or above)
Operating Temperature: -22°F to 140°F (-30°C to 60°C)
Storage Temperature: -40°F to 140°F (-40°C to 60°C)

Ordering Information

Isco 2108 Analog Output Module 68-2000-010
(includes small DIN rail, removable connector and instruction manual)
Note: Module connects to 4-20mA output to external non-Isco equipment, and requires a computer running Isco Flowlink v4.15 (or higher) software to configure.
2100 Series Connect Cable (50 ft /15.2m) 60-2004-219
Cable, #C0516 (specify desired length).....60-5314-417
Quick-disconnect Box 60-2004-228
Power Adapter (Plug-in), 120V AC to 12V DC.....60-2004-057
Power Converter (DIN-mount), 120-240V AC to 12V DC 341-0002-18
(Requires either 60-2400-219 [above] or 60-5314-461. Specify desired length)
Flowlink® Software 68-2540-200

* Other output ranges are possible. Contact factory for information .



Teledyne Isco, Inc.
4700 Superior St.
Lincoln, NE 68504 USA
Phone: (402) 464-0231
USA & Canada: (800) 228-4373
Fax: (402) 465-3022
e-mail: iscoinfo@teledyne.com
Website: www.isco.com



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