

# Isco 780 Smart 4-20 Analog Interface Module

## *Add Intelligence to your Analog Signal*

The 780 Smart 4-20 Module gives your Isco 6700 Series or Avalanche® Sampler the capability to interpret analog data from other equipment that you already own. For example, if you have flow meters that output a 4-20 mA signal, the 780 Module allows you to use that flow signal to pace your sampler.

The 6700, 6712, or Avalanche sampler with 780 module also converts the flow-proportional signal into selectable flow units, which can be displayed as real time flow rate and totalized flow. The sampler also stores the data for future retrieval and analysis using Isco Flowlink® Software.

If the signal is not a flow proportional signal, real time information is still displayed, but in a simple, easy-to understand percentage of full scale. This signal can then be used to initiate sampling routines or individual samples.

Connection to the analog signal is also a snap. The Model 780 comes with a cable with twin leads attached. Simply connect it to your analog signal and program the sampler for proper operation.



## *Applications*

- ◆ An Isco 6700, 6712, or Avalanche Sampler with 780 module can interpret any 4-20 analog signal, use the data to pace sampling, and store the data digitally for later retrieval and analysis.
- ◆ When connected to a flow meter with 4-20 mA output, the 780 module enables sampler pacing in actual flow units instead of an arbitrary number of flow pulses.

*Simply plug one of the 700 Series Modules into your 6712 or Avalanche Sampler to expand your monitoring capabilities. These environmentally-sealed modules can be interchanged in the field, and can be added to your compatible Isco Sampler (portable or refrigerated) at any time.*

## Specifications

Isco 780 Smart Analog Output Module	
Size (HxWxD):	4.9 x 5.7 x 2.0 in. (12.4 x 14.5 x 5.1 cm)
Weight:	1.1 lbs. (0.5 kg)
Material:	Polystyrene
Enclosure:	NEMA 4X, 6 IP67
Power:	provided by 6700 Series Sampler
Operating Temperature:	32° to 120°F (0° to 49°C)
Storage Temperature:	0° to 140°F (-18° to 60°C)
Data interval:	Programmable through the sampler at 1, 2, 5, 10, 15, or 30 minutes
Accuracy:	±0.5%
Resolution:	±0.1%

## Ordering Information

Description	Part Number
780 Analog Interface Module. Includes 10 ft. cable and instruction manual.	60-9004-040

*The 780, and other 700 Series Modules, are compatible with Isco's Avalanche® portable refrigerated samplers.*



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