

Isco 701 pH and Temperature Module

Add pH and temperature sensing to your Isco 6712 or Avalanche Sampler

Plug the 701 module into your 6712 or Avalanche® Sampler, and place the streamlined stainless steel sensor in the flow stream for accurate monitoring and logging of pH and temperature. Additionally, you can trigger the sampler to collect samples only when a specific limit or range is exceeded. This can be done for the entire sampling program, or you can collect separate samples of independent volumes when the parameters exceed your programmed limits.

Save time and money by sampling only when a programmed pH or temperature limit or range is exceeded!

Standard Features

- ◆ Durable probe containing pH and temperature sensors can be mounted vertically in the flow stream, or horizontally to reduce rag-catching.
- ◆ Exposed temperature sensor reacts and compensates quickly to changes in flowstream temperature, providing more accurate data recorded
- ◆ During the program's operation, current pH and temperature values are viewable on the sampler's LCD display.
- ◆ All parameter data stored in the sampler is available for later retrieval, reporting, and graphing using Isco Flowlink® software.



Applications

- ◆ Logging pH and temperature data for wastewater streams
- ◆ Triggering sample collection based on pH or temperature
- ◆ Industrial monitoring
- ◆ TMDL monitoring



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

701 Module	
Size (H x W x D):	4.9 x 5.7 x 2.0 inches (12.4 x 14.5 x 5.1 cm)
Weight:	1.5 lbs (0.7 kg)
Material:	Polystyrene
Enclosure:	NEMA 4X, 6 (IP67)
Power:	9 to 14V DC (provided by 6700 Series Sampler)
Program Memory:	Non-volatile, programmable flash; can be updated via interrogator port on 6700 Series Sampler using a PC
Operating Temperature:	32° to 120°F (0° to 49°C)
Storage Temperature:	0° to 140°F (-18° to 60°C)

pH/Temperature Probe	
Description:	Submersible vertical or horizontal mounting probe with combination type porous Teflon® liquid double junction pH electrode to resist fouling and coating. Steam sterilized glass hemi-bulb for long term stability. Built-in amplifier and integral exposed temperature sensor.
Size:	6 inches (15.2 cm) long; 3/4 inch NPT (1.9 cm diameter)
Body material:	316 Stainless Steel
pH range:	0 to 14 pH
pH accuracy:	±0.1 pH units from 0 to 11.9 pH. ±0.2 pH units from 12.0 to 14.0 pH
Temperature accuracy:	±1.8°F (±1°C)
Temperature range:	32° to 176°F (0° to 80°C). Continuous exposure to temperatures above 140°F (60°C) may shorten probe life.
Probe cable length:	25 ft. (7.6 m) standard length; longer lengths available.

Ordering Information

Description	Part Number
701 pH and Temperature Module with Stainless Steel double junction combination pH probe. Includes 25 ft. cable and instruction manual.	68-6700-052
Stainless Steel double-junction combination pH probe with 25 ft. cable.	60-9004-126

Probe mounting hardware sold separately.

The 701 and other 700 Series Modules are compatible with Isco's Avalanche® portable refrigerated samplers.



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