Options and Accessories for Isco 6712 Samplers

Isco 6712 Samplers have unsurpassed flexibility to adapt to a wide range of monitoring applications. Below are some of the capabilities that you can add to your 6712 – or Avalanche® Portable Refrigerated Sampler – to meet your specific requirements.

700 Series Special Function Modules

These unique, slide-in Modules let you easily add flow measurement and other capabilities. The compact modules are environmentally sealed and may be added to – or removed from – your 6712 at any time.

701 – pH and Temperature Module

Combines accurate pH and temperature monitoring in one module. It will also activate your 6712 Sampler at a user-selected pH or temperature range.

710 – Ultrasonic Flow Module

Uses our field-proven ultrasonic level sensor that doesn't require submersion in the flow stream.

720 – Submerged Probe Flow Module

Provides accurate measurement at sites where wind, steam, foam, turbulence, or air temperature fluctuations exist. Suitable for small channels, it accurately senses pressure even when covered with silt and sand.

730 – Bubbler Flow Module

Get the dependability and accuracy of Isco bubbler flow meters in a small package. The 730 is unaffected by changing stream conditions, and level measurement remains accurate despite temperature fluctuations or exposure to harsh chemicals.

750 – Area Velocity Flow Module

Gives greater accuracy where weirs and flumes are not practical, and where submerged, full pipe, surcharged, and reverse flow conditions may occur. And, you don't have to estimate the slope and roughness of the channel

780 – Smart 4-20 Module

Add intelligence to a simple analog signal. Flow rates are displayed in actual volume units, not merely a percent of full scale. Any linear 4-20 mA input can be characterized by using the 780. The information can be stored and retrieved for later analysis.

6712 Samplers - Integrated Monitoring and Data Logging

The 6712 Controller does much more than collect time-, flow-, and event-triggered samples. It also gives you:

♦ "Plug and play" connection with SDI-12 compatible measuring devices

♦ 512 kB of memory for data logging

♦ "Smart sampling" Event-triggered sampling using any combination of up to 16 inputs.

The 6712 Controller is a powerful SDI-12 data logger that can be connected to a wide range of environmental sensors.

Rainfall Measurement
Connect the Isco 674 Rain Gauge to your 6712 Sampler, and rainfall data can be logged into memory and/or used to trigger sampling.

Water Quality Parameters
Isco 6712 Samplers feature easy connection with SDI-12 compatible measuring devices, including multi-parameter sondes from leading manufacturers such as *YSI, Hydrolab, In-Situ,* and *Greenspan.*

Sample Temperature Logging (6712 FR)
For automatic documentation of sample storage temperature, specify the optional temperature sensor. With this thermally-ballasted sensor, the 6712 controller can log compartment temperatures at programmable intervals with 0.1°C precision.

Data Retrieval and Analysis

With Isco 6712 samplers, you have the flexibility to retrieve data on site with either a laptop computer or the versatile 581 RTD – or to communicate remotely via telephone modem.
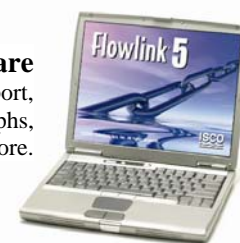
581 RTD (Rapid Transfer Device)
Slim enough to fit in your shirt pocket, yet rugged enough to withstand submersion, the 581 RTD lets you quickly retrieve and transfer data without taking your laptop computer into the field. A single RTD will download up to 20 samplers.

Flowlink® Software
Isco's advanced Flowlink Software lets you retrieve, import, compare, and analyze data, generate advanced charts and graphs, create comprehensive reports, and more.

Telephone Modems
Optional telephone modems are available for GSM and CDMA cellular service as well as land-line communication. You can remotely view and change sampler programs using *Hyperterminal*, and download data using Flowlink software. The modems also provide dial-out alarm features. Request individual Product Data Sheets for more details.

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