Isco 6712C Compact Portable Sampler

Isco's 6712C Compact Portable Sampler delivers the advanced capabilities of our industry standard 6712 Sampler in a smaller package, allowing use where full-size samplers won't fit. Like the full-size model, this compact version uses Isco's advanced 6712 Controller. The extensive range of programming modes lets you select the most suitable routine for your application, and the built-in SDI-12 interface provides great flexibility for connecting multi-parameter sondes and other SDI-12 devices.

The environmentally-sealed 6712 controller delivers maximum accuracy and easily handles all of your sampling applications, including:

- ◆ wastewater effluent
- ◆ stormwater monitoring
- ◆ CSO monitoring
- ◆ permit compliance
- ◆ pretreatment compliance

In the Standard Programming Mode, the controller walks you through the sampling sequence step-by-step, allowing you to choose all parameters specific to your application. Selecting the Extended Programming Mode lets you enter more complex programs.

The 6712C Compact Portable Sampler features Isco's exclusive bottle carrier to make bottle changing and transportation a snap.

Communication options include CDMA and GSM digital cell phone modems as well as a land-line modem. With a modem connected, you can remotely trigger and reprogram the 6712 controller, download data with Flowlink software, and set up dialout alarms to have the sampler notify you when samples are collected.

Versatile, Tough, and Reliable

A tapered design and narrow 18-inch (45.7 cm) diameter allows use in small or offset manholes. Choose from five bottle configurations to suit a variety of sampling routines.

Isco's 6712C Compact Portable Sampler carries a NEMA 4X, 6 (IP67) rating for submersible, watertight, dust-tight, and corrosion resistant service.

Superior capability, rugged construction, and compact size, make this sampler ideal for size-restricted applications.

Specifications

Isco 6712C Compact Portable Sampler

Size (Height x Diameter):	27.6 x 17.7 inches (70 x 45 cm)
Weight:	Dry, less battery - 31 lbs (14 kg)
Bottle configurations:	24 – 500 ml PE 12 – 500 ml PE or 3500 ml Glass 8 - 2 Liter PE or 1.8 Liter Glass 1 - 9,5 Liter PE or Glass
Power Requirements:	12 V DC (Supplied by battery or AC power converter.)

Pump

Intake suction tubing: Length Material Inside dimension	 3 to 99 feet (1 to 30 m) Vinyl or PTFE/FEP 3/8 inch (1 cm)
Pump tubing life:	Typically 1,000,000 pump counts
Maximum lift:	28 feet (8.5 m)
Typical Repeatability	±5 ml or ±5% of the average volume in a set
Typical line velocity at Head height: of 3 ft. (0.9 m) 10 ft. (3.1 m) 15 ft. (4.6 m)	 3.0 ft./s (0.91 m/s) 2.9 ft./s (0.87 m/s) 2.7 ft./s (0.83 m/s)
Liquid presence detector:	Non-wetted, non-conductive sensor detects when liquid sample reaches the pump to automatically compensate for changes in head heights.

Controller

Weight:	13 lbs. (5.9 kg)
Size (HxWxD)	10.3 x 12.5 x 10 inches (26 x 31.7 x 25.4 cm)
Operational temperature:	32° to 120°F (0° to 49°C)
Enclosure rating:	NEMA 4X, 6 (IP67)
Program memory:	Non-volatile ROM
Flow meter signal input:	5 to 15 volt DC pulse or 25 millisecond isolated contact closure.
Number of composite samples:	Programmable from 1 to 999 samples.
Clock Accuracy:	1 minute per month, typical, for real time clock

Software

Sample frequency:	1 minute to 99 hours 59 minutes, in 1 minute increments. Non-uniform times in minutes or clock times 1 to 9,999 flow pulses
Sampling modes:	Uniform time, non-uniform time, flow, event. (Flow mode is controlled by external flow meter pulses.)
Programmable sample volumes:	10 to 9,990 ml in 1 ml increments
Sample retries:	If no sample is detected, up to 3 attempts; user selectable
Rinse cycles:	Automatic rinsing of suction line up to 3 rinses for each sample collection
Program storage:	5 sampling programs
Sampling Stop/Resume:	Up to 24 real time/date sample stop/resume commands
Controller diagnostics:	Tests for RAM, ROM, pump, display, and distributor

Ordering Information

Note: Power source, bottle configuration, suction line, and strainer must be ordered separately. Many options and accessories are available for 6712 Samplers; see separate literature for 700 Series Modules and other components to expand your monitoring capabilities. Contact Isco or your Isco representative for pricing and additional information.

Description	Part Number
6712C Compact Portable Sampler Includes controller with 512kB RAM, top cover, center section, base, distributor arm, instruction manual, pocket guide.	68-6710-071
6712C Portable Sampler, with Mini Base As described above	68-6710-141

The 6712 Controller is also an SDI-12 data logger, and has many optional capabilities. Please contact Isco or your Isco distributor for more information.

ISCO ®

Water is life. Protect it.

Teledyne Isco, Inc.

**4700 Superior Street
Lincoln NE 68504 USA
Phone: (402) 464-0231
USA and Canada: (800) 228-4373
Fax: (402) 465-3022
E-Mail: iscoinfo@teledyne.com
Internet: www.isco.com**