

# 6712C

## Compact Portable Sampler

Teledyne 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 our advanced 6712 Controller.

### *Advanced sampling capabilities in a smaller package*

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 multiparameter sondes and other SDI-12 devices.

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

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.

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.

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. The 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.



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



### Applications:

- Wastewater effluent
- Stormwater monitoring
- CSO monitoring
- Permit compliance
- Pretreatment compliance

### Standard Features:

- SDI-12 interface provides "plug and play" connection with multi-parameter water-quality sondes and other compatible devices
- Choice of 5 different glass and plastic bottle configurations ranging from 24 x 500 ml to 1 x 2.5 gallon
- NEMA 4X, 6 (IP67) controller enclosure
- Rugged ABS plastic shell
- Foam-insulated base holds up to 15 pounds (6.8 kg) of ice
- Sample delivery at the EPA-recommended velocity of 2 ft/sec., even at head heights of 26 feet
- Pump revolution counter and patented liquid detection sensor ensure accurate sample volumes—and tells you when tubing should be replaced

## 6712C Compact Portable Sampler

<b>Size (H x Dia):</b>	27.6 x 17.7 in (70.1 x 45 cm)
<b>Weight:</b>	Dry, less battery - 31 lbs (14 kg)
<b>Bottle Configurations:</b>	24 – 500 ml PE 1 – 9.5 Liter PE or Glass
<b>Power Requirements:</b>	12 VDC (Supplied by battery or AC power converter.)

### Pump

<b>Suction Tubing:</b>	
-Length:	3 to 99 ft (1 to 30 m)
-Material:	Vinyl or Teflon
-Inside Dimension:	3/8 in (1.0 cm)
<b>Pump Tubing Life:</b>	Typically 1,000,000 pump counts
<b>Maximum Lift:</b>	28 ft (8.5 m)
<b>Typical Repeatability:</b>	± 5 ml or ± 5 of the average volume in a set
<b>Typical Line velocity at Head height of:</b>	
@ 3 ft (0.9 m) head height:	3.0 ft/s (0.91 m/s)
@ 10 ft (3.1 m) head height:	2.9 ft/s (0.87 m/s)
@ 15 ft (4.6 m) head height:	2.7 ft/s (0.83 m/s)

### Liquid Presence Detector:

Non-wetted, nonconductive sensor detects when liquid sample reaches the pump to automatically compensate for changes in head heights.

### Controller

<b>Dimensions (HxWxD):</b>	10.3 x 12.5 x 10.0 in (26.1 x 31.7 x 25.4 cm)
<b>Weight (dry):</b>	13 lbs (5.9 kg)
<b>Operating Temperature:</b>	32 to 120 °F (0 to 49 °C)
<b>Enclosure Rating:</b>	NEMA 4X, 6 (IP67)
<b>Program Memory:</b>	Non-volatile ROM
<b>Flow Meter Signal Input:</b>	5 to 15 volt DC pulse or 25 millisecond isolated contact closure
<b>Number of Composite Samples:</b>	Programmable from 1 to 999 samples
<b>Real Time Clock Accuracy:</b>	1 minute per month, typical

## Software

<b>Sample Frequency:</b>	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
<b>Sampling Modes:</b>	Uniform time, non-uniform time, flow, event. (Flow mode is controlled by external flow meter pulses.)
<b>Programmable Sample Volumes:</b>	10 to 9,999 ml, in 1 ml increments
<b>Sample Retries:</b>	If no sample is detected, up to 3 attempts; user selectable
<b>Rinse Cycles:</b>	Automatic rinsing of suction line up to 3 rinses for each sample collection
<b>Program Storage:</b>	5 sampling programs
<b>Sampling Stop/Resume:</b>	Up to 24 real time/date sample stop/resume commands
<b>Controller Diagnostics:</b>	Tests for RAM, ROM, pump, display, and distributor

## Ordering Information

### 6712C Portable Sampler, Compact

Includes controller with 512kB RAM, top cover, center section, base, distributor arm, instruction manual, pocket guide.....

68-6710-071

### 6712C Portable Sampler, with Jumbo Base

As described above..... 68-6710-141

*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 Teledyne ISCO, or your local representative for pricing and additional information.*



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

## Teledyne ISCO

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*Teledyne ISCO is continually improving its products and reserves the right to change product specifications, replacement parts, schematics, and instructions without notice.*

