

SAMPLER SELECTION GUIDE

SUITABILITY GUIDE

With more than five decades of industry leadership, Teledyne ISCO continues to advance automated water and wastewater sampler technology by developing durable and innovative products.

We offer a wide range of samplers to meet your specific application needs. For in-depth information on Teledyne ISCO sampler products, contact your authorized representative, or visit us on the web at teledyneisco.com.

Wastewater Treatment

- Municipal Wastewater Treatment
- Industrial Pretreatment

Collection Systems

- Combined Sewer Overflows (CSOs)
- Sanitary Sewer Overflows (SSOs)
- Industrial Pretreatment Monitoring
- Enforcement Monitoring

Water Quality Monitoring

- Stormwater
- Surface Water
- Reservoirs
- Recreation Water
- Total Maximum Daily Load (TMDL)
- Watershed Monitoring

COMMUNICATIONS AND DATA HANDLING

Today's communication, parameter measurement, and software technologies bring many advances and efficiencies to water and wastewater sampling. Contact your Teledyne ISCO representative for more information on:

- Data communications—RS-232, 4-20 mA, SCADA, Modbus, cellular wireless, and alarm notifications
- Parameter measurement—level, pH, temperature, turbidity, conductivity, and more—for sample triggering and data logging
- Software—automate your data analysis and reports



Use Flowlink® software to collect, analyze, and report all of the data from your monitoring program.



5800



6712FR



GLS



6712



BLZZRD™

REFRIGERATED

PORTABLE

PORTABLE REFRIGERATED

WASTEWATER TREATMENT

X

X*

X*

COLLECTION SYSTEMS

X

X*

X*

WATER QUALITY MONITORING

X*

X*

PLUG-IN MODULES*

700 Series Modules let you add flow measurement, pH, or intelligent analog input to your 6712 Sampler. 6712 Sampler logs the data for later retrieval or view parameter data on the display. Data includes summaries, flow rate, level, pH, and temperature, along with sampling status. Parameters can be used to trigger sampling programs or sample pacing.



Flow or Parameter Measurement Capabilities



701 pH/Temperature



730 Bubbler Flow



780 4-20 mA Analog Input

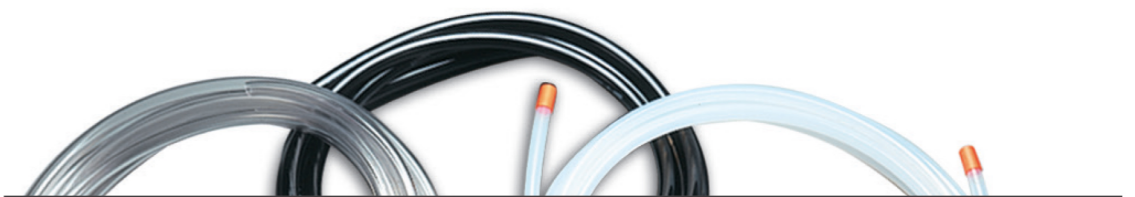


720 Submerged Probe Flow



750 Area Velocity Flow

SUCTION LINE



Vinyl Suction Line

If using plastic bottles, select vinyl suction line. Vinyl suction line should be replaced as necessary.

Black Tygon® Suction Line

Algae-resistant suction line can be used for general purpose sampling. (Not EPA approved.)

PTFE-lined Suction Line

If using glass bottles, select PTFE-lined suction line. This chemically inert line can be cleaned and reused often.

STRAINERS



Stainless Steel & Polypropylene

For most sampling applications using plastic bottles with vinyl suction lines.



Stainless Steel

For use with glass bottles and PTFE-lined suction lines—when sampling for metals is not a requirement.



CPVC

Usually selected when sampling corrosive liquids.



PTFE-Stainless Steel

The choice when other strainer materials are not compatible.



Low Flow Stainless Steel

For depths as low as two inches (5 cm).



Ultra-low Stainless Steel

For depths as low as one inch (2.5 cm)—requires 1/4-inch tubing.

OPTIONS & ACCESSORIES SELECTION GUIDE

Teledyne ISCO offers many options and accessories which allow you to configure the sampler for your specific application.

PORTABLE SAMPLER POWER

When AC power is present, use Isco power packs to convert AC power to 12 volts DC for the portable sampler. When AC power is not present at the site, select a battery.



Standard AC Power Packs

Available for 120 and 240 VAC power



Battery-backed AC Power

Packs for uninterruptible operation in critical applications



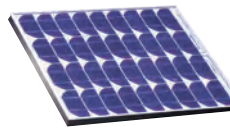
Nickel Cadmium Batteries

4 amp/hour power for short-term sampling with easy recharging



Lead-acid Batteries

6.5 and 45 amp/hour battery for short- and long-term sampling



Solar Panels

Extend your remote sampling applications by keeping batteries charged for the next event



Charging Stations

Designed for optimum charging and maximum discharge/recharge cycles

BOTTLES

When selecting bottles for a sampler, consider the bottle material and configuration. To choose either plastic or glass bottle material, refer to the Code of Federal Regulations 40 CFR 136.3 Table II. This table specifies acceptable containers based on tests to be performed on the collected sample liquid.

Governing directives may also specify bottle configurations. Typical bottle configurations include:



1 Composite Bottle

Compliance monitoring for wastewater discharge monitoring



4 Sequential Bottles

Compliance monitoring for stormwater run-off permits



24 Sequential Bottles

Process control and enforcement monitoring

A large, light blue graphic of the ISCO logo, consisting of a stylized 'I' and 'S' forming a shape above the letters 'CO', all contained within a larger, faint outline of the same logo shape.

ISCO



TELEDYNE ISCO
Everywhereyoulook™

4700 Superior Street, Lincoln, NE 68504 USA • Tel: (402) 464-0231 • USA & Canada: (800) 228-4373
Fax: (402) 465-3022 • Email: iscoinfo@teledyne.com • <http://teledyneisco.com>

Teledyne Isco is continually improving its products and reserves the right to change specifications without notice.

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