

# Isco GLS

## Compact, Lightweight Sampler



### ***It's a Great Little Sampler!***

The GLS Sampler is designed for general purpose or priority pollutant sampling in municipal and industrial applications where a full-size sampler is too large. It is ideal for general purpose or toxic pollutant composite sampling. It collects composite samples, based on time or flow intervals, in 1- or 2.5-gallon glass or polyethylene bottles, or in 2-gallon disposable ProPak™ bags.

### ***Exclusive Quick-Touch operation***

With GLS's exclusive simplified programming, you can set up in less than a minute for:

- Uniform time intervals
- Flow-paced sampling with or without time delay

When finished, store your sampling routine as the default program.

Then, in the field, the operator simply calls up the program with two keystrokes, presses the green "go" button – and the sampling routine begins.



*GLS takes the strain out of lifting and carrying.*



*GLS is small and light, yet packed with features.*

Of course, you always have the option of setting another routine in the field – without losing your default program. If you can press a button, you can operate the GLS. It's that easy!

### ***Ultra compact***

Overall diameter is only 16.5 inches (41.9 cm), so the GLS fits easily into manholes as small as 18 inches (45.7 cm), and also easily drops into most offset manholes.

### ***Easy to handle***

With a dry weight of less than 25 lbs (12 kg), GLS is the lightest sampler in the Isco line. A hinged handle makes one-handed carrying a breeze.

### ***Accurate, repeatable sample delivery***

The exclusive LD90 Liquid Presence Detector and patented\* Isco pump revolution counting system deliver accurate, repeatable sample volumes time after time.

# Isco GLS Compact, Lightweight Sampler Specifications

Contact the factory or your Isco representative for additional specifications.

Sampler			Controller		
Height	26.5 in.	67.3 cm	Weight	8.0 lbs.	3.6 kg
Diameter	16.5 in.	41.9 cm	Dimensions	10 x 12.5 x 10 in.	26 x 32 x 25 cm
Weight (dry)	24.5 lbs.	11.1 kg	Operational Temperature	32° to 120°F	0° to 49°C
Sampler Base Capacity	1.0 or 2.5 gallon polyethylene or glass container.		Enclosure Rating	NEMA 4X, 6	IP67
Power Requirements	12 volts DC. (Supplied by battery or AC power converter.)		Program Memory	Non-volatile ROM	
Pump					
Intake Purge	Purge before and after each sample.				
Tubing Life Indicator	Provides a message to change pump tubing.				
Intake Suction Tubing			Flow Meter	5 to 15 volt DC pulse or 25 millisecond isolated contact closure.	
Length	3 to 99 ft.	1 to 30 m	Signal Requirements	Up to 500 (500 maximum)	
Material	Vinyl or Teflon® lined		Number of Composite Samples to Shutoff	1 minute per month, typical	
Inside Dimension	0.375 in. or 0.250 in.	0.952 cm or 0.635 cm	Software		
Pump Tubing Life	2,000 samples		Sample Frequency Selection	1 minute to 9,999 minutes, in 1 minute increments 1 to 9,999 flow pulses	
Maximum Suction Lift	26 ft.	7.9 m	Sampling Modes	Uniform time flow. (Flow mode is controlled by external flow meter pulses.)	
Typical Repeatability	±10 ml		Programmable Sample Volumes	10 to 9,990 ml in 1 ml increments	
Typical Line Transport Velocity (w/3/8" line) at head heights of:			Program Storage	1 sampling program	
3 ft. (0.9 m)	2.9 ft./s	0.88 m/s	Controller Diagnostics	Tests for RAM, ROM, pump, and display	
10 ft. (3.1 m)	2.5 ft./s	0.76 m/s			
15 ft. (4.6 m)	1.9 ft./s	0.58 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.				

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## Ordering Information

Suction line, strainer, or additional ProPak bags not included; order separately. Contact the factory or your Isco representative for complete ordering information.

Description	Part Number
GLS Portable Composite Sampler with:	
2.5-gallon round polyethylene bottle	68-2950-001
2.5-gallon round glass bottle	68-2950-002
1-gallon round polyethylene bottle	68-2950-003
1-gallon round glass bottle	68-2950-004
2-gallon capacity ProPak system (includes 100 disposable bags and holder)	68-2950-005



*Simplified programming and controls make GLS operation quick and push-button easy.*