

Isco Sampler Comparison Chart

Isco Sampler Model	GLS	3700	3700C	3700R	3700FR	3710	3710C
Sampler type	Compact portable composite	Portable sequential	Compact portable sequential	Refrigerated sequential	Refrigerated sequential	Portable composite	Compact portable composite
Enclosure Material	ABS	ABS	ABS	Type 304 S. S.	Fiberglass	ABS	ABS
External Dimensions (mm)	673 X 419	641 X 505	705 X 450	1170 X 640 X 640	1250 X 660 X 660	733 X 489	705 X 451
Weight (kg)	11.3	16.8	11.3	65.8	73	14.5	11.3
Power Required	12 VDC / 120 VAC / 240 VAC	12 VDC / 120 VAC / 240 VAC	12 VDC / 120 VAC / 240 VAC	120 VAC / 240 VAC	120 VAC / 240 VAC	12 VDC / 120 VAC / 240 VAC	12 VDC / 120 VAC / 240 VAC
Battery Backup	Optional	Optional	Optional	Optional	Optional	Optional	Optional
Heater	Optional	Optional	Optional	Optional	Optional	Optional	Optional
Ambient Temperature Range	0 to 49	0 to 49	0 to 49	0 to 49	0 to 49	0 to 49	0 to 49
Sample Temperature Range	0 to 49	0 to 49	0 to 49	0 to 49	0 to 49	0 to 49	0 to 49
Pump Type	Peristaltic	Peristaltic	Peristaltic	Peristaltic	Peristaltic	Peristaltic	Peristaltic
Measuring Chamber	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Accuracy of Sample Volume	+/- 10 ml	+/- 10 ml	+/- 10 ml	+/- 10 ml	+/- 10 ml	+/- 10 ml	+/- 10 ml
Sampling Frequencies Available	1 to 9,999 minutes 1 to 9,999 flow pulses	1 to 5,999 minutes 1 to 9,999 flow pulses	1 to 5,999 minutes 1 to 9,999 flow pulses	1 to 5,999 minutes 1 to 9,999 flow pulses	1 to 5,999 minutes 1 to 9,999 flow pulses	1 to 5,999 minutes 1 to 9,999 flow pulses	1 to 5,999 minutes 1 to 9,999 flow pulses
Maximum Lift (m)	7.9	7.9	7.9	7.9	7.9	7.9	7.9
Sample Line Diameter (mm)	9.5	9.5	9.5	9.5	9.5	9.5	9.5
Sample Line Material	Vinyl or Teflon	Vinyl or Teflon	Vinyl or Teflon	Vinyl or Teflon	Vinyl or Teflon	Vinyl or Teflon	Vinyl or Teflon
Sample Flow Velocity @ Head	0.76 m/s @ 3.1 m	0.85 m/s @ 3.1 m	0.85 m/s @ 3.1 m	0.85 m/s @ 3.1 m	0.85 m/s @ 3.1 m	0.85 m/s @ 3.1 m	0.85 m/s @ 3.1 m
Bottle Options	1 - 2.5 gallon polyethylene 1 - 2.5 gallon glass 1 - 1 gallon polyethylene 1 - 1 gallon glass 1 - 2 gallon ProPak	24 - 1 liter ProPak 24 - 1 liter polypropylene 24 - 350 ml glass 12 - 1 liter polyethylene 12 - 950 ml glass 4 - 1 gallon polyethylene 4 - 1 gallon glass 1 - 2.5 gallon polyethylene 1 - 2.5 gallon glass 1 - 4 gallon polyethylene 1 - 2 gallon ProPak	24 - 500 ml Polyethylene 12 - 500 ml polyethylene 12 - 375 ml glass 1 - 2.5 gallon polyethylene 1 - 2.5 gallon glass 1 - 2 gallon ProPak	24 - 1 liter ProPak 24 - 1 liter polypropylene 24 - 350 ml glass 8 - 2 liter polyethylene 8 - 1.8 liter glass 2 - 2.5 gallon polyethylene 2 - 2.5 gallon glass 1 - 2.5 gallon polyethylene 1 - 2.5 gallon polyethylene 1 - 2 gallon ProPak	24 - 1 liter ProPak 24 - 1 liter polypropylene 24 - 350 ml glass 8 - 2 liter polyethylene 8 - 1.8 liter glass 2 - 2 gallon polyethylene 2 - 2.5 gallon glass 1 - 2.5 gallon polyethylene 1 - 2.5 gallon polyethylene 1 - 2 gallon ProPak	1 - 2.5 gallon polyethylene 1 - 2.5 gallon glass 1 - 4 gallon polyethylene 1 - 2 gallon ProPak	1 - 2.5 gallon polyethylene 1 - 2.5 gallon glass 1 - 2 gallon ProPak
Composite Sampling	YES	YES	YES	YES	YES	YES	YES
Temperature Control Method	Ice	Ice	Ice	Refrigerator	Refrigerator	Ice	Ice
Purge Method	Pump Reverse	Pump Reverse	Pump Reverse	Pump Reverse	Pump Reverse	Pump Reverse	Pump Reverse
Externally Triggerable	YES	YES	YES	YES	YES	YES	YES
Flow Proportional Sampling	YES	YES	YES	YES	YES	YES	YES
Flow Signal	5 to 15 VDC pulse or 25 millisecond isolated contact closure	5 to 15 VDC pulse or 25 millisecond isolated contact closure	5 to 15 VDC pulse or 25 millisecond isolated contact closure	5 to 15 VDC pulse or 25 millisecond isolated contact closure	5 to 15 VDC pulse or 25 millisecond isolated contact closure	5 to 15 VDC pulse or 25 millisecond isolated contact closure	5 to 15 VDC pulse or 25 millisecond isolated contact closure
Languages	English French German Italian Spanish	English French German Spanish	English French German Spanish	English French German Spanish	English French German Spanish	English French German Spanish	English French German Spanish
Remote Interrogation	NO	NO	NO	NO	NO	NO	NO
Remote Programming	NO	NO	NO	NO	NO	NO	NO
Independently Tested	NO	NO	NO	NO	NO	NO	NO
Intrinsically Spark Free	NO	NO	NO	NO	NO	NO	NO
Self-Emptying	NO	NO	NO	NO	NO	NO	NO
Weather Proof	YES	YES	YES	NO	YES	YES	YES
External Services Required	NO	NO	NO	NO	NO	NO	NO

Isco Sampler Comparison Chart

Isco Sampler Model	3710R	3710FR	3710VR	6700	6700C	6700FR	6700SR
Sampler type	Refrigerated composite	Refrigerated composite	Refrigerated composite	Multifunction portable	Multifunction compact portable	Multifunction refrigerated	Multifunction refrigerated
Enclosure Material	Type 304 S. S.	Fiberglass	Vinyl	ABS	ABS	Fiberglass	Type 304 S. S.
External Dimensions (mm)	1170 X 640 X 640	1250 X 660 X 660	1175 X 620 X 640	686 X 507	701 X 451	1250 X 660 X 660	1250 X 660 X 660
Weight (kg)	65.8	73	65.8	15	14	73	73
Power Required	120 VAC / 240 VAC	120 VAC / 240 VAC	120 VAC / 240 VAC	12 VDC / 120 VAC / 240 VAC	12 VDC / 120 VAC / 240 VAC	120 VAC / 240 VAC	120 VAC / 240 VAC
Battery Backup	Optional	Optional	Optional	Optional	Optional	Optional	Optional
Heater	Optional	Optional	Optional	Optional	Optional	Optional	Optional
Ambient Temperature Range	0 to 49	0 to 49	0 to 49	0 to 49	0 to 49	0 to 49	0 to 49
Sample Temperature Range	0 to 49	0 to 49	0 to 49	0 to 49	0 to 49	0 to 49	0 to 49
Pump Type	Peristaltic	Peristaltic	Peristaltic	Peristaltic	Peristaltic	Peristaltic	Peristaltic
Measuring Chamber	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Accuracy of Sample Volume	+/- 10 ml	+/- 10 ml	+/- 10 ml	+/- 10 ml	+/- 10 ml	+/- 10 ml	+/- 10 ml
Sampling Frequencies Available	1 to 5,999 minutes 1 to 9,999 flow pulses	1 to 5,999 minutes 1 to 9,999 flow pulses	1 to 5,999 minutes 1 to 9,999 flow pulses	1 to 9,999 minutes 1 to 9,999 flow pulses	1 to 9,999 minutes 1 to 9,999 flow pulses	1 to 9,999 minutes 1 to 9,999 flow pulses	1 to 9,999 minutes 1 to 9,999 flow pulses
Maximum Lift (m)	7.9	7.9	7.9	8.5	8.5	8.5	8.5
Sample Line Diameter (mm)	9.5	9.5	9.5	9.5	9.5	9.5	9.5
Sample Line Material	Vinyl or Teflon	Vinyl or Teflon	Vinyl or Teflon	Vinyl or Teflon	Vinyl or Teflon	Vinyl or Teflon	Vinyl or Teflon
Sample Flow Velocity @ Head	0.85 m/s @ 3.1 m	0.85 m/s @ 3.1 m	0.85 m/s @ 3.1 m	0.87 m/s @ 3.1 m	0.87 m/s @ 3.1 m	0.87 m/s @ 3.1 m	0.87 m/s @ 3.1 m
Bottle Options	1 - 2.5 gallon polyethylene 1 - 2.5 gallon glass 1 - 4 gallon polyethylene 1 - 5.5 gallon polyethylene 1 - 2 gallon ProPak	1 - 2.5 gallon polyethylene 1 - 2.5 gallon glass 1 - 4 gallon polyethylene 1 - 5.5 gallon polyethylene 1 - 2 gallon ProPak	1 - 2.5 gallon polyethylene 1 - 2.5 gallon glass 1 - 4 gallon polyethylene 1 - 5.5 gallon polyethylene 1 - 2 gallon ProPak	24 - 1 liter ProPak 24 - 1 liter polypropylene 24 - 350 ml glass 12 - 1 liter polyethylene 12 - 950 ml glass 8 - 2 liter polyethylene 8 - 1.8 liter glass 4 - 1 gallon polyethylene 4 - 1 gallon glass 1 - 2.5 gallon polyethylene 1 - 2.5 gallon glass 1 - 4 gallon polyethylene 1 - 2 gallon ProPak	24 - 500 ml Polyethylene 12 - 500 ml polyethylene 12 - 375 ml glass 1 - 2.5 gallon polyethylene 1 - 2.5 gallon glass 1 - 2 gallon ProPak	24 - 1 liter ProPak 24 - 1 liter polypropylene 24 - 350 ml glass 12 - 2.5 liter polyethylene 8 - 2 liter polyethylene 8 - 1.8 liter glass 1 - 2.5 gallon polyethylene 1 - 2.5 gallon glass 1 - 4 gallon polyethylene 1 - 5.5 gallon polyethylene 1 - 2 gallon ProPak	24 - 1 liter ProPak 24 - 1 liter polypropylene 24 - 350 ml glass 12 - 2.5 liter polyethylene 8 - 2 liter polyethylene 8 - 1.8 liter glass 1 - 2.5 gallon polyethylene 1 - 2.5 gallon glass 1 - 4 gallon polyethylene 1 - 2 gallon ProPak
Composite Sampling	YES	YES	YES	YES	YES	YES	YES
Temperature Control Method	Refrigerator	Refrigerator	Refrigerator	Ice	Ice	Refrigerator	Refrigerator
Purge Method	Pump Reverse	Pump Reverse	Pump Reverse	Pump Reverse	Pump Reverse	Pump Reverse	Pump Reverse
Externally Triggerable	YES	YES	YES	YES	YES	YES	YES
Flow Proportional Sampling	YES	YES	YES	YES	YES	YES	YES
Flow Signal	5 to 15 VDC pulse or 25 millisecond isolated contact closure	5 to 15 VDC pulse or 25 millisecond isolated contact closure	5 to 15 VDC pulse or 25 millisecond isolated contact closure	5 to 15 VDC pulse or 25 millisecond isolated contact closure	5 to 15 VDC pulse or 25 millisecond isolated contact closure	5 to 15 VDC pulse or 25 millisecond isolated contact closure	5 to 15 VDC pulse or 25 millisecond isolated contact closure
Languages	English French German Spanish	English French German Spanish	English French German Spanish	English French German Italian Spanish	English French German Italian Japanese Spanish	English French German Italian Japanese Spanish	English French German Italian Japanese Spanish
Remote Interrogation	NO	NO	NO	Optional	Optional	Optional	Optional
Remote Programming	NO	NO	NO	NO	NO	NO	NO
Independently Tested	NO	NO	NO	NO	NO	NO	NO
Intrinsically Spark Free	NO	NO	NO	NO	NO	NO	NO
Self-Emptying	NO	NO	NO	NO	NO	NO	NO
Weather Proof	NO	YES	NO	YES	YES	YES	NO
External Services Required	NO	NO	NO	NO	NO	NO	NO