

Water Samplers

Portable and Stationary Samplers



Vacuum technology for better samples



Campbell Scientific offers both portable and stationary automatic water samplers for storm water, waste water, or other water-quality applications. These samplers use external vacuum pumps to draw water through intake tubing, instead of the traditional peristaltic pumps that induce flow by squeezing flexible tubing. Advantages

of the vacuum pump method include faster sampling rates, longer sampling distances, and less maintenance. Because the vacuum method disturbs the water samples less, they better represent the original water solution, especially if the solution has high concentrations of suspended solids.

Horizontal

MAJOR SPECIFICATIONS Tubing Transport Sample Container Weight **Applications** Transport Velocity Compatible Distance . BVS4300C | Outdoor STANDARD AC-Powered, Composite CLEAN: WITH FRIDGE: minimum of 141 kg (310 lb) 1.5 m/s (5 ft/s) one 9 L bottle, or Includes corrosion-resistant Outdoor 76.2 m at 30.5 m (100 ft); one 20 L bottle ves (250 ft) Refrigerated steel enclosure with a > 0.8 m/s (2.5 ft/s) WITHOUT FRIDGE: at 76.2 m (250 ft) SUPER CLEAN: 109 kg (240 lb) locking door and boltedone 10 L bottle down instrument panel STANDARD CLEAN: BVS4300D | Outdoor one 8 L bottle, one 20 L bottle, or AC-Powered, Discrete minimum of WITH FRIDGE: 24 0.5 L bottles 1.5 m/s (5 ft/s) 141 kg (310 lb) Includes corrosion-resistant Outdoor 76.2 m at 30.5 m (100 ft); yes SUPER CLEAN: Refrigerated (250 ft) steel enclosure with a > 0.8 m/s (2.5 ft/s) WITHOUT FRIDGE: one 10 L bottle, at 76.2 m (250 ft) 109 kg (240 lb) locking door and boltedfour 4 L bottles, eight 2 L bottles, down instrument panel or twelve 1 L bottles STANDARD CVS4200C | Indoor CLEAN: WITH FRIDGE: minimum of AC-Powered, Composite 1.5 m/s (5 ft/s) one 9 L bottle, or 68 kg (150 lb) 76.2 m Indoor Includes corrosion-resistant at 30.5 m (100 ft); one 20 L bottle ves Refrigerated (250 ft) WITHOUT FRIDGE: > 0.8 m/s (2.5 ft/s) steel enclosure SUPER CLEAN: 32 kg (70 lb) at 76.2 m (250 ft) one 10 L bottle

5/8" ID

Maximum Horizontal

Specialized

	Specialized Applications	5/8" ID Tubing Compatible	Maximum Horizontal Transport Velocity	Horizontal Transport Distance	Sample Container	Weight
CVS4200D Indoor AC-Powered, Discrete Includes corrosion-resistant steel enclosure	Indoor Refrigerated	yes	minimum of 1.5 m/s (5 ft/s) at 30.5 m (100 ft); > 0.8 m/s (2.5 ft/s) at 76.2 m (250 ft)	76.2 m (250 ft)	STANDARD CLEAN: one 8 L bottle, one 20 L bottle, or 24 0.5 L bottles SUPER CLEAN: one 10 L bottle, four 4 L bottles, eight 2 L bottles, or twelve 1 L bottles	WITH FRIDGE: 91 kg (200 lb) WITHOUT FRIDGE: 32 kg (70 lb)
PVS4100C Portable, AC-Powered, Composite Supports the fastest sampling rates and longest sampling distances	Fits in standard- sized manholes. Can be sus- pended by stainless-steel harness for sewer applications	yes	minimum of 1.5 m/s (5 ft/s) at 30.5 m (100 ft); > 0.8 m/s (2.5 ft/s) at 76.2 m (250 ft)	76.2 m (250 ft)	one 9 L bottle	11.8 kg (26 lb)
PVS4100D Portable, AC-Powered, Discrete Supports the fastest sampling rates and longest sampling distances	Fits in standard- sized manholes. Can be sus- pended by stainless-steel harness for sewer applications	yes	minimum of 1.5 m/s (5 ft/s) at 30.5 m (100 ft); > 0.8 m/s (2.5 ft/s) at 76.2 m (250 ft)	76.2 m (250 ft)	24 0.5 L bottles or 24 1 L bottles	11.8 kg (26 lb)
PVS4120C Portable, Battery-Powered, Composite Most lightweight	Fits in small- sized manholes. Can be sus- pended by stainless-steel harness for sewer applications	no	1.2 m/s (4 ft/s) at 30.5 m (100 ft); >0.8 m/s (2.5 ft/s) at 67 m (220 ft)	67 m (220 ft)	one 9 L bottle	SAMPLER (no battery): 10.4 kg (23 lb) BATTERY: 1.8 kg (4 lb)
PVS4120D Portable, Battery-Powered, Discrete Most lightweight	Fits in small- sized manholes. Can be sus- pended by stainless-steel harness for sewer applications	no	1.2 m/s (4 ft/s) at 30.5 m (100 ft); >0.8 m/s (2.5 ft/s) at 67 m (220 ft)	67 m (220 ft)	24 0.5 L bottles or 24 1 L bottles	SAMPLER (no battery): 10.4 kg (23 lb) BATTERY: 1.8 kg (4 lb)
PVS4151C Portable, Battery-Powered, Composite Includes in Line wheels, a telescoping handle, three soft-grip handles, and a rugged enclosure	Designed for easy transport	no	1.2 m/s (4 ft/s) at 30.5 m (100 ft); >0.8 m/s (2.5 ft/s) at 67 m (220 ft)	67 m (220 ft)	one 9 L bottle	SAMPLER (no battery): 16.1 kg (35.5 lb) BATTERY: 1.8 kg (4 lb)

