

SAMPLING EQUIPMENT Manning Samplers

Manning Model YB Stationary Peristaltic Samplers

- Economical choice for refrigerated sampling
- Non-contact ultrasonic fluid sensor technology ensures accurate, repeatable sample volumes
- Choose from samplers with an economical 4.1 cu ft refrigerator or precision-controlled 6.1 cu ft refrigerator

Manning's reliable YB samplers automatically collect composite or discrete samples in wastewater, stormwater and sewer inflow and overflow applications. They outperform other peristaltic samplers by delivering consistent, accurate sample volumes, even with changing head heights.

Low-maintenance, high-performance peristaltic pump

The peristaltic pump collects samples per EPA regulations. The non-contacting ultrasonic fluid sensor detects flow near the pump inlet, triggering your sampling program. "Water Clear" lid lets you inspect rollers and tubing without dismantling the pump, saving you time and money. Advanced thermoplastic pump construction resists corrosion, ensuring rigidity and long life.



"Water Clear" lid allows easy inspection of rollers and tubing.

Microprocessor-based controller offers many programming options

The microprocessor-based controller features datalogging functions and setting/operating status reviews with a wide range of flow and time modes. Its clearly labeled, hermetically sealed keypad and backlit alphanumeric LCD allow easy setup and programming. Intuitive menu prompts and shortcuts save time—quickly update or review programming with no long, complicated menu navigation. NEMA 4X/NEMA 6 controller enclosure offers protection indoors and out.

Use the advanced sampling software in conjunction with the controller to select a wide array of sample programming options. Password protection restricts sampler access to authorized operators only. Samplers offer 4-20 mA input and 110 VAC power.

Choose from two refrigerator styles

Choose from samplers with economical 4.1 cu ft refrigerators or precision-controlled 6.1 cu ft refrigerators. The 6.1 cu ft models feature an integrated temperature controller inside the refrigerator that maintains samples at temperatures between 0 and 4°C, even in high ambient temperatures. Temperature controller includes a user-programmable alarm. All refrigerators offer thick-walled, impact- and corrosion-resistant structural resin construction and a white-backed enamel exterior for extra durability.

Includes: ultrasonic liquid sensor, refrigerator, square sampling bottle (2.5- or 5-gallon), 25-ft PVC hose, 22" L x 3/8" Dia silicone tubing and a 3/8" stainless steel strainer.

Shipping: Ships motor freight.



MFR #	DESCRIPTION	SIZE	SAMPLING BOTTLE	STOCK #	EACH
YB8A8B2A2C3A1	YB Refrigerated Sampler	4.1 cu ft	2.5 Gal	12827	\$
YB8A2B2A2C3A1	YB Refrigerated Sampler	6.1 cu ft	2.5 Gal	10988	
YB8A2B2A3C3A1	YB Refrigerated Sampler	6.1 cu ft	5 Gal	10989	

Replacement items

MFR #	DESCRIPTION	STOCK #	EACH
YB8A1B2A1C3A1	Sampler (Controller Head), No Refrigerator	28870	\$
MS889036	Refrigerator, 4.1 ft ³ , 115 VAC/60 Hz	79699	
MS885037	Refrigerator with Digital Temperature Controller, 6.1 ft ³ , 115 VAC/60 Hz	86250	
—	Replacement 3/8" Pump Tubing, Silicone, 22"L	28842	



An integrated temperature controller is located inside the 6.1 cu ft refrigerators



Separate pump and temperature controllers simplify programming (models with 6.1 cu ft refrigerator only).



10988

Temperature limits

4.1 cu ft models: 40 to 110°F (4 to 43°C)

6.1 cu ft models: 32 to 122°F (0 to 50°C)

Sample cooling: 440 BTU compressor with high-efficiency fan and condenser

Maximum lift: 28 ft

Transport velocity: 4.396 ft/sec at 5 ft lift

Sample volume: 1 mL increments (programmed directly)

Repeatability: ±5%

Liquid sensor: non-contacting ultrasonic

Sample programming: flow proportional pacing, flow pacing with time override, flow pacing with delay sampling, flow pacing with maintained event sampling, totalized flow sampling, uniform & non-uniform time intervals, multiple bottles per sample, multiple bottle compositing, program delay, sampling based on external device input, hydrologic level event (stormwater) mode

Internal clock: indicates real time with ±1 minute/month accuracy

Power requirements: 110 VAC

Input/output: closed contact with 4-20 mA input

Dimensions

4.1 cu ft models: 21.25"W x 40.5"H x 23"D

6.1 cu ft models: 24"W x 41.5"H x 24"D

Weight (dry)

4.1 cu ft models: 60 lbs

6.1 cu ft models: 120 lbs