

Portable sampler - AQUA-COOLBOX

DESCRIPTION

The portable, refrigerated 3S AQUA-COOLBOX can be powered by 110/220 VAC POWER, an external 12VDC supply or via an integral battery that can provide up to 350 samples on a full charge.

The air pump vacuum sampling system featured within every AQUA Module provides for a reliable, representative and repeatable sample without the weaknesses that can be associated with alternative sampling techniques. Programming set-up is very simple, with sample volumes from 50-500 mL (and above, using multiple shots/sample events) and sample intervals from 1 minute to almost 100 hours.

Sample extraction frequency can be time based or triggered by external sources such as flow meters, level sensors, pH meters, on-line analyzers, PLCs etc. Ambient working temperature range: 14°F (-10°C) to 122°F (+50°C). Also, any of the Samplers can be supplied with a Sample Temperature Monitoring Facility. With this option, the minimum, maximum, average and present sample temperatures can be monitored on the display. Additionally all the Portable Samplers can be fitted with a Data Connection facility. This enables the download of logged sample temperature data from the Sampler Module to a PC (or similar) via the USB connection, and if needed, it is possible to extract samples from a pressurized effluent source, using the Pressurized Pipeline Interface.

FEATURES

Incorporated within the AQUA-COOLBOX is a high performance passive Sample Temperature Control System. This ensures that the collected samples are preserved at an optimal temperature 0 °C (32 °F) to +5 °C (41 °F) up to five days, while awaiting collection / inspection. This is particularly useful when sampling biologically active wastewater. Thick wall insulation combined with sealed 'no mess' Cooling Elements provides for impressive sample temperature control performance. The passive temperature control system requires no power, therefore maximising on-board battery life. Sample temperatures can be measured and logged for subsequent download.

- Supplied complete with easy clean 5 liter HDPE composite sample container with lid and 2 Cooling Elements
- Suitable for indoor and outdoor use
- AC Power and / or Battery powered
- Separately lockable Sampler Cover and COOLBOX base
- 350+ samples achievable with a fully charged battery



TECHNICAL SPECIFICATIONS

Sample Temperature Control	Passive
Sample Frost Protection	Passive
Suitable for Outdoor Use	Yes
Dimensions (H x W x D)	835 mm x 430 mm x 430 mm (32.9 in x 16.9 in x 16.9 in)
Weight	17.5 Kg (38.5 lbs)
Power Supply	AC Power 110/220/230VAC 50Hz, 12 VDC or Integral battery 12 VDC 7Ah
Power Consumption	60 VA
Protection Grade	IP55
Working Temperature	-10 – +50 °C (14 – 122 °F)
Sample Collection Vessels	5 L Container
Optional Equipment	Ancillary Signal Connection (for flowmeters, pHmeters, PLCs,...) Data Download Connection Sample Temperature Monitoring Connection Transportation Truck Thermal Jacket Intake Hose Extension

ORDERING INFORMATION

- AQUA-COOLBOX

