

WASTEWATER SAMPLERS – PORTABLE RANGE

Models: AQUA-COMPACT, AQUA-COOLBOX, AQUA-MULTIX

The ECD Analyzers Portable Wastewater Sampler range is made up of three models:

The very small AQUA-COMPACT, the passively cooled AQUA-COOLBOX, and the versatile multi bottle AQUA-MULTIX, providing complete sampling flexibility.

All can be powered by 110/220 VAC POWER, or 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, PLC's 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.



Model: AQUA-COMPACT

Ideal when samplers are transported between sites or for temporary compliance purposes, the AQUA-COMPACT takes up minimal space and yet offers uncompromised sampling performance.

- Super-Compact and lightweight (only 16 lbs - 7.3 Kg)
- Suitable for indoor and outdoor use
- Ambient working temperature range: 14°F (-10°C) to 122°F (50°C)
- Supplied with integrated easy clean 5 liter low profile composite Sample Container
- AC Power and / or Battery powered
- Lockable Sampler Cover
- Front access to Sample Container without disturbing Sampler or Intake Hose



MODEL: AQUA-COOLBOX

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 32°F (0°C) to 41°F (5°C) up to five days, while awaiting collection / inspection. This is particularly useful when sampling biologically active wastewater

The AQUA-COOLBOX is designed typically to operate at sites where the sampling requirement is infrequent or there is simply no power available.

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



MODEL: AQUA-MULTIX

The most versatile member of the Portable family. The AQUA-MULTIX can accommodate a choice of 4 Sample Collection Vessels. Changing Sample Collection Vessels is extremely quick and simple with the Aquacell Modules 'lift-off' design.

The open aluminum frame structure provides easy visual inspection of the collected samples. Users will quickly appreciate the benefit of being able to see each sample depositing correctly into its container without having to dismantle any part of the Sampler.

- Lightweight (only 18.8 lbs – 8.5 Kg)
- Suitable for indoor and outdoor use
- Available for use with various Sample Collection Vessels
- AC Power and / or Battery powered
- Lockable Sampler Cover
- Front access to Sample Container without disturbing Sampler or Intake Hose



AQUA-MULTIX SAMPLE COLLECTION VESSELS



Single Container 25L



Removable Bottler
12 x 0.75L Glass



Removable Bottler
12 x 1L PET



Removable Bottler
24 x 1 Liter HDPE

MODEL	AQUA-COMPACT	AQUA-COOLBOX	AQUA-MULTIX
GENERAL			
Sample Temperature Control	No	Passive	No
Sample frost protection	No	Passive	No
Suitable for outdoor use	Yes	Yes	Yes
DIMENSIONS / WEIGHTS			
Size in (mm) measured with standard base fitted	H 16.9 (430) W 12.6 (320) D 14.8 (375)	H 32.9 (835) W 16.9 (430) D 16.9 (430)	H 30.7 (780) W 17.5 (445) D 17.5 (445)
Weight excluding container and options lbs (Kg)	16 (7.3)	38.5 (17.5)	18.8 (8.5)
POWER OPTIONS			
Integral battery 12VDC 7Ah	Opt	Opt	Opt
AC Power 110/220/230VAC 50Hz	Opt	Opt	Opt
Floated charged backup battery (12VDC 7 Ah)	Opt	Opt	Opt
Separate 12 VDC	Opt	Opt	Opt
POWER CONSUMPTION			
Current (A) @ 12 VDC	5	5	5
Power - Watts (VA) @110VAC	60	60	60
Power - Watts (VA) @220VAC	60	60	60
Power - Watts (VA) @230VAC	60	60	60
ENVIRONMENTAL			
IP Rating	55	55	55
Minimum ambient working temperature °F (°C)	14 (-10)	14 (-10)	14 (-10)
Maximum ambient working temperature °F (°C)	122 (50)	122 (50)	122 (50)
SAMPLE COLLECTION VESSELS			
5 L Container	Yes	Yes	No
25 L Container	No	No	Opt
12 x 1 L PET Bottler	No	No	Opt
12 x 0.75 L Glass Bottler	No	No	Opt
24 x 1 L HDPE Bottler	No	No	Opt
OPTIONAL EQUIPMENT			
Ancillary Signal Connection (for flowmeters, pHmeters, PLC's,...)	Opt	Opt	Opt
Bottler Connection	N/A	N/A	Opt
Data Download Connection	Opt	Opt	Opt
Sample Temperature Monitoring Connection	Opt	Opt	Opt
Transportation Truck	No	Opt	Opt
Thermal Jacket	No	Opt	Opt
Intake Hose Extension	Opt	Opt	Opt

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