



The wall mountable Aquacell S50 and S100 Wastewater Sampler models offer simple operation, combined with rugged construction and excellent reliability. At the heart of every model in the Aquacell range is the Aquacell Sampling Module; a robust and dependable sampling unit proven in thousands of applications worldwide and trusted by users as diverse as food manufacturers, water companies and the Environment Agencies.

The air pump vacuum sampling system featured within every Aquacell Module provides for a reliable, representative and repeatable sample without the weaknesses that can be associated with alternative sampling techniques.

Both the Aquacell S50 and S100 Samplers are designed to be wall mounted adjacent to your effluent source. They are supplied as standard with a mains power connection, both units can also be specified with an additional integral or external 12VDC battery option. Flexibility in sample collection is provided by any of the non-integral range of Sample Collection Vessels options (see the specification table overleaf for details). For convenience many of the single containers can be suspended directly below the Aquacell Sampler by using the optional Suspension Bracket, as pictured.



S50 with 10 litre
HDPE Sample
Collection Vessel and
optional Suspension
Bracket

Programming set-up is simplicity itself, with sample volumes from 50 - 500ml (and above) and sample intervals from 1 minute to almost 100 hours. Sample extraction frequency can be based on time or triggered by external sources such as flow meters, level sensors, pH meters, PLC's etc. All Aquacell Sampler models are certified to the UK Environment Agency's MCERTs standard for Automatic Wastewater Sampling Equipment and also the International Standard for Wastewater Samplers ISO 5667-10.

Aquacell S50 and S100 Samplers can extract samples from both non-pressurised and pressurised effluent sources (when specified with a Pressurised Pipeline Interface - Standard).



S100 with 24 x 1
litre Bottler



Optional Suspension
Bracket



Optional high-
performance Padlock



Optional Contamination
Shield (supplied as
standard with S100)

Aquacell S50

The Aquacell S50 is designed for weather protected applications, typically indoors. It incorporates a 1.5m hard wired mains connection cable.

Aquacell S100

The Aquacell S100 shares the same attributes as the S50 with the addition of a high impact lockable Front Cover that provides both weather and tamper protection, a pluggable 1.5m mains connection cable and a quick release wall mount.



Aquacell S50



Aquacell S100



Product Features Key



Stationary



Wall Mounted



Indoor Only



Indoor & Outdoor



Suitable for Multiple Bottles



Can be used with Pressurised Pipeline Interface

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| MODEL | S50 | S100 |
|--|----------------------|----------------------|
| GENERAL | | |
| MCERTS compliant | Yes | Yes |
| Sample temperature control | No | No |
| Sample frost protection | No | No |
| Suitable for outdoor use | No | Yes |
| Intake hose length | 5m | 10m |
| DIMENSIONS/WEIGHTS | | |
| Size (mm) | H290 W290 D240 | H330 W300 D250 |
| Weight excluding container and options (Kg) | 7.5 | 8.0 |
| POWER OPTIONS | | |
| Integral Battery 12VDC 7Ah | Opt | Opt |
| Mains 110/220/230VAC 50Hz | Yes | Yes |
| Float Charged Backup Battery (12VDC 7Ah) | Opt | Opt |
| Separate 12VDC | Opt | Opt |
| POWER CONSUMPTION (VA) | | |
| @110VAC (max. inrush current (A) in brackets) | 60 (5) | 60 (5) |
| @220VAC (max. inrush current (A) in brackets) | 60 (5) | 60 (5) |
| @230VAC (max. inrush current (A) in brackets) | 60 (5) | 60 (5) |
| ENVIRONMENTAL | | |
| IP Rating | 50 | 55 |
| Minimum ambient working temperature °C | -10 | -10 |
| SAMPLE COLLECTION VESSELS | | |
| 2.5, 5 and 10 litre HDPE Bottles | Opt | Opt |
| 25 litre MDPE Bottle | Opt | Opt |
| 2 x 4.5 litre Self-Emptying Polypropylene Bottler | Opt | Opt |
| 4 x 5 litre Glass Bottler | Opt | Opt |
| 4 x 5 litre HDPE Bottler | Opt | Opt |
| 12 x 0.75 litre Glass Bottler | Opt | Opt |
| 12 x 1 litre PET Bottler | Opt | Opt |
| 24 x 1 litre HDPE Bottler | Opt | Opt |
| OPTIONAL EQUIPMENT | | |
| Ancillary Signal Connection (for flowmeters, pH meters, PLC's etc) | Opt | Opt |
| Bottler Connection | Opt | Opt |
| Data Connection | Opt | Opt |
| Sample Temperature Monitoring | Opt | Opt |
| Contamination Shield | Opt | Yes |
| Quick Release Wall Bracket | Opt | Yes |
| Sample Container Suspension Bracket | Opt | Opt |
| Pressurised Pipeline Interface | Opt | Opt |