

Hydrocell Waste Water Samplers Specification

Model	Hydrocell 1	Hydrocell 2	Hydrocell 4	Hydrocell 8
GENERAL				
Bottles	1 x 10 litre LDPE (optional polypropylene)	2 x 10 litre LDPE (optional polypropylene)	4 x 10 litre LDPE (optional polypropylene)	8 x 4 litre PPCO
Refrigeration	Not available	Not available	Yes	
Frost protection	Not available	Not available	Yes	
Dimensions (cm)	37 (W) x 40 (H) x 32 (D)	68 (W) x 100 (H) x 46 (D)	78 (W) x 120 (H) x 80 (D)	
Operating temperature	-20 to +70°C	-20 to +70°C	-20 to +70°C	-20 to +70°C
USER INTERFACE				
Display	7 inch (800 x 480 pixels) full colour graphical display with anti-glare cover			
Programming	Touch screen (optional wireless keypad)			
Operating system	Windows CE 6.0 R3 (licence included)			
Enclosure rating	IP65			
Logging	2GB SD card records sampling events, alarm conditions, pump starts, pumped volume, and configuration.			
SOFTWARE				
Modes	Fully user programmable for: calibration volume, line purge, start bottle, bottle sequence, continuous or fixed cycle, sample interval, refrigeration temperature			
Display features	Graphical display of bottle filling action, current fill status, alarm conditions, spot sampling			
Engineering	Password protected engineering mode for diagnostics, testing, and software upgrades			
POWER				
Supply (AC)	85-240V 3.15A AC			
Supply (DC)	24V 12A DC			
PUMP				
Media source suitability	Wastewater from non-pressurised submersed sampling point			
Type	Peristaltic with 24Vdc motor			
Pump tube	Thick walled marprene tube, 8mm internal diameter			
Intake tube	Braided LDPE up to 40m length			
Maximum lift	7 metres (23 feet)			
Repeatability	Typically ±5 ml (this will vary depending on the density of liquid)			
CONTROL				
Timed sample trigger	Pulsed input / 4-20mA input / contact closure, fully user programmable			
Time based	Fully user programmable			
OUTPUTS AND COMMUNICATIONS				
Alarms	2 x User programmable SPCO rated at 5A@ 230Vac			
Digital	2 x USB, 1 x Ethernet			

WATER AND WASTEWATER SPECIALISTS

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With over 20 years' experience in monitoring and treating water and wastewater across all industries, Smart Storm designs its instrumentation with the end user firmly in mind, and has the knowledge and expertise to support your needs.



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