## **PRODUCT INFORMATION**

SAMPLER STATIONARY BÜHLER 4010/5010





# Weather-resistant: BÜHLER 4010/5010 stationary sampler

- → Stainless steel housing
- → Separate control and wet units
- → Composite and fractionated samples
- → Microprocessor-controlled menu guidance
- → Backlit liquid crystal display
- → GSM communication (optional)

### The facts

The sampler functions on the pressure-vacuum principle and operates in time, volume, flow or event proportional mode. Newly upgraded and patented components facilitate trouble-free and low-maintenance operation. The temperature-controlled weatherproof V2A housing is optionally available in V4A and plastic-coated versions.

The stationary BÜHLER 4010/5010 is ideal for use in sewage treatment plants and industrial facilities, and for monitoring surface waters.

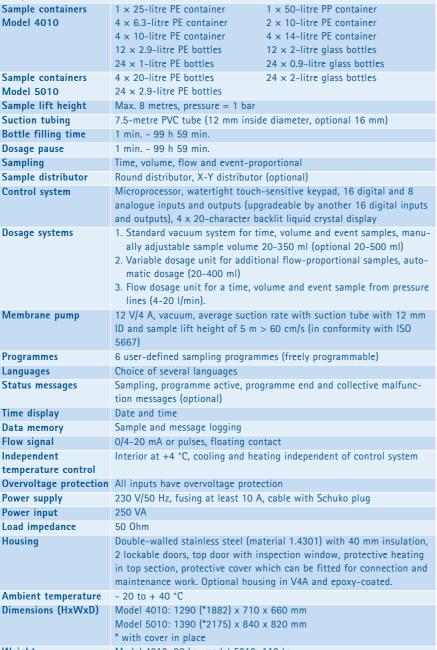
The different dosage vessels make the instrument extremely flexible in standard and individual applications.



# **Technical data**

Sampling principle	Pressure-vacuum principle	
Sample volume	20-350 ml (optional 20-500 ml)	
Sample containers	1 × 25-litre PE container	1 × 50-litre PP container
Model 4010	4 × 6.3-litre PE container	2 × 10-litre PE container
Model 1010	4 × 10-litre PE container	4 × 14-litre PE container
	12 × 2.9-litre PE bottles	12 × 2-litre glass bottles
	24 × 1-litre PE bottles	$24 \times 0.9$ -litre glass bottles
Sample containers	4 × 20-litre PE bottles	24 × 2-litre glass bottles
Model 5010	24 × 2.9-litre PE bottles	21 X 2 Here glass obeties
Sample lift height	Max. 8 metres, pressure = 1 bar	
Suction tubing	7.5-metre PVC tube (12 mm inside diameter, optional 16 mm)	
Bottle filling time	1 min 99 h 59 min.	
Dosage pause	1 min 99 h 59 min.	
Sampling	Time, volume, flow and event-proportional	
Sample distributor	Round distributor, X-Y distributor (optional)	
Control system	Microprocessor, watertight touch-sensitive keypad, 16 digital and 8	
Control system	analogue inputs and outputs (upgradeable by another 16 digital inputs	
	and outputs), 4 x 20-character backlit liquid crystal display	
Dosage systems	Standard vacuum system for time, volume and event samples, manu-	
Joseph Systems	ally adjustable sample volume 20-350 ml (optional 20-500 ml)	
	2. Variable dosage unit for additional flow-proportional samples, auto-	
	matic dosage (20-400 ml)	
	3. Flow dosage unit for a time, volume and event sample from pressure	
	lines (4-20 l/min).	
Membrane pump	12 V/4 A, vacuum, average suction rate with suction tube with 12 mm	
	ID and sample lift height of 5 m > 60 cm/s (in conformity with ISO	
	5667)	
Programmes	6 user-defined sampling programmes (freely programmable)	
Languages	Choice of several languages	
Status messages	Sampling, programme active, pro	gramme end and collective malfunc-
	tion messages (optional)	
Time display	Date and time	
Data memory	Sample and message logging	
Flow signal	0/4-20 mA or pulses, floating contact	
Independent	Interior at +4 °C, cooling and heating independent of control system	
temperature control		
Overvoltage protection	All inputs have overvoltage protection	
Power supply	230 V/50 Hz, fusing at least 10 A, cable with Schuko plug	
Power input	250 VA	
Load impedance	50 Ohm	
Housing	Double-walled stainless steel (material 1.4301) with 40 mm insulation,	
	2 lockable doors, top door with it	nspection window, protective heating
	in top section, protective cover w	which can be fitted for connection and
	maintenance work. Optional house	sing in V4A and epoxy-coated.
Ambient temperature	- 20 to + 40 °C	
Dimensions (HxWxD)	Model 4010: 1290 (*1882) x 710 x 660 mm	
	Model 5010: 1390 (*2175) x 840 x 820 mm	
	* with cover in place	
Weight	Model 4010: 90 kg, model 5010: 110 kg	
Optional accessories	Mobile model, interior lighting, V	/2A base frame, intake device and
	much more	







Fold-out service console - easily accessible and maintenance-friendly

# Representative samples in conformity with ISO 5667

Pressure-vacuum samplers are ISO 5667 compliant and therefore satisfy the requirements for subsequent reproducible analysis. Until then the sample is refrigerated to exclude biological and chemical changes. To avoid cross-contamination, the system is rinsed before and after each sample is taken.





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