

Technical Specifications



SAM Sample Manager



The SAM Sample Manager can be used either as a simple fraction collector to collect and store samples in standardized vials and tubes, or as an advanced sample manager to add or replace media, dilute, and / or inject samples in an LC or UV-Vis spectrophotometer. Available in four versions (SR / S / M / L), the module allows vertical storage of samples in up to 3 levels. Its capacity can also be extended horizontally for semi-automated double systems or for an increased number of time points.

No. of channels		6, 7 or 8
Capacity	For single dissolution system	1 rack (single capacity) or 2 racks (double capacity)
	For double dissolution system	2 racks
	SAM SR	1 rack, 15 time points (up to 120 samples)
	SAM S	2 racks, 30 time points (up to 240 samples)
	SAM M	4 racks, 60 time points (up to 480 samples)
	SAM L	6 racks, 90 time points (up to 720 samples)
Rack types		15 rows (time points) on 8 channels for vials (2 mL, 4 mL) and glass tubes (12 mL)
Sample module configurations		Standard
		3-way valve
		3-way valve with guidance (piercing)
Sample output	Needle	Ø 1.07 mm; length = 48 mm or 93 mm (LC option)
	Cannula	Ø 1.47 mm; length = 33 mm
Tube dimensions	Inside	Ø 1.5 mm
	Outside	Ø 3.0 mm
Media	Replacement	Simultaneous on all channels
	Addition	Up to 3 different media
LC on-line option		Syringe pump, needle wash and injection valve for single or double LC connection
	Valve type	5'000, 10'000 or 15'000 psi
	Syringe type	1 mL, 2.5 mL, 5 mL or 10 mL
Materials in contact with media or dosage form		PTFE / PEEK tubing, PVDF connections, FFKM valve bodies, glass syringe, stainless steel 1.4404 needles, Viton® (FPM) seals and fittings
Control	Manual	With panel with LED indicators
	Automated	On-line or on/off-line systems: WinSOTAXplus software; Off-line systems: no software needed (controlled with EasyTouch™ on AT apparatus)
Interfaces		USB type B, 2 x CAN, 2 x D-sub
Power supply	Mains voltage	100-240 V +/- 10 %
	Frequency	50-60 Hz
	Power consumption	120 VA
Noise emission		< 70 dB (A)
Operating conditions		T° from 15 °C to 30 °C, %RH between 10 % and 75 %

Identification label		CE conformity, 2002/96/EC, manufacturer, unit type, article number, serial number, year of manufacture, mains voltage, frequency, power consumption, fuse protection
Weight	SAM SR	29 kg
	SAM S	40.5 kg
	SAM M	50.5 kg
	SAM L	60.5 kg
Dimensions (width x depth x height)	SAM SR	400 x 800 x 600 mm
	SAM S	600 x 800 x 800 mm
	SAM M	600 x 800 x 1050 mm
	SAM L	600 x 800 x 1150 mm

Technical specifications are subject to change without prior notice. Products described or illustrated may include options or modifications not fitted as standard. No liability for errors and omissions.

