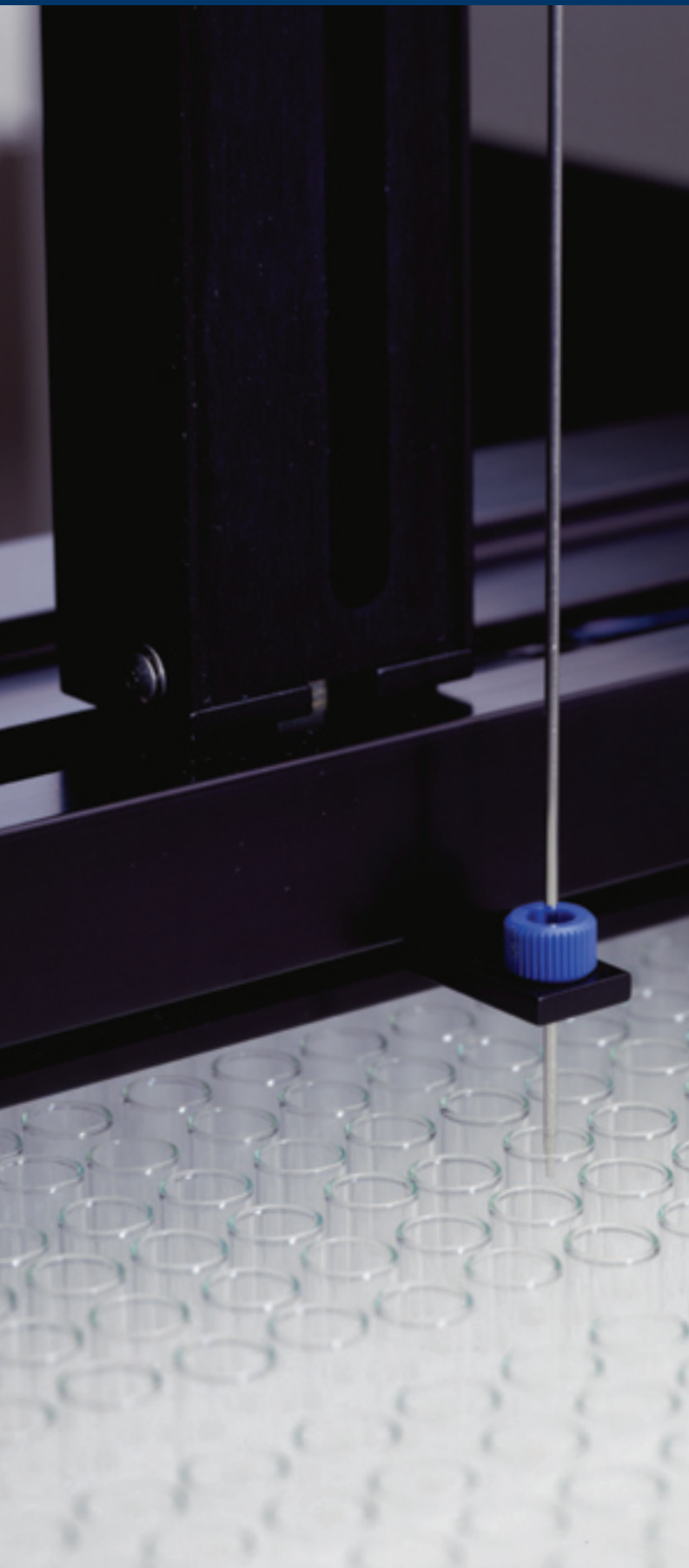


223 Sample Changer



High-Throughput Programmable Sampler for Automated Sample Preparation and Transfer

- Accommodates up to 432 vials
- Choose from a wide variety of probe designs and standard and custom racks
- New spring-loaded probe is ideal for low- and sub-microliter liquid handling applications including MALDI plate preparation
- Level-sensing and user-selectable rinsing parameters help eliminate sample contamination due to carryover
- Optional flow-through rinse station available
- Configure with Gilson's Minipuls 3 Peristaltic Pump or 402 Syringe Pump for liquid transfer
- Ideal for automated transfer of samples in analytical techniques such as FIA and spectroscopy (UV/VIS, AA, ICP)

Applications

- Serial dilutions
- Addition of samples
- Sampling into vials
- Timed reactions
- Tube-to-tube transfers



Technical Specifications

Arm Speed	X/Y: 25 cm/sec (9.9 in./sec) Z: 2.0, 3.0, 6.2, 12.7, 24.7 cm/sec (0.79, 1.18, 2.44, 5.00, 9.72 in./sec)
Communication Interface	RS-232 or GSI0C; Four inputs (contact closure, TTL, or open-collector), four relay outputs, and one switched +24V DC (500 mA max.) output
Front Panel	One yellow LED indicator light
Horizontal Motion Strength	X: 2 kg (5 lbs.) Y: 1.5 kg (3 lbs.)
Manufacturing Standards	Meets applicable Safety and EMC certification standards; UL and CE certified
Sample Vessel Capacity	432 (7 x 40 mm or 10 x 75 mm)
Number of Racks	Up to four Code 20- or 30-Series racks
Power Requirements	Frequency: 50–60 Hz Voltage: 90–120 or 220–240V, mains voltage fluctuations not to exceed $\pm 10\%$ of the nominal voltage Current rating: one 2.0A fuse for 90–120V or two 2.0A fuses for 220–240V
Probe Positioning Performance	Accuracy: ± 1 mm in X/Y/Z dimensions Repeatability: ± 0.25 mm in X/Y/Z dimensions
Probe Rinse	Through a dedicated rinse station for rinsing the inside and outside of the probe
Sampler Type	X/Y/Z with stationary rack design
Software	Via Gilson TRILLUTION™ Software
Vertical Punch Strength	1 kg (2 lbs.)
Dimensions (w x d x h*)	53.5 x 43.7 x 60* cm (21.1 x 17.2 x 24* in.) * Maximum height. Z-arm height is adjustable to accommodate vessel heights between 1 and 150 mm (dependent on installed Z-arm).
Weight	18.6 kg (41 lbs.)

For applications or additional information, contact your local Gilson Technical Sales Representative or visit www.gilson.com.

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