

Feeder station, type 6854-16

Feed-in of sample bottles, type 6845, from round magazines, type 6875, for combined test equipment made by FOSS and Bentley, at a cycle time of at least 6 seconds, with warming-up of sample bottles.



Description

The feeder station type 6854-16 is designed for the automatic feed-in of sample bottles of the type 6845 with barcode label from round magazines of the type 6875 for combined test equipment made by FOSS and Bentley, at a cycle time of at least 6 seconds and with warming-up of the sample bottles.

Application

- By means of the software, the feeder station is synchronised with the analysing device via an open RS-232 protocol corresponding to the CS-83 protocol of FOSS. If the BARTEC MILAB software (MILAB-WMS) is applied, the device is controlled by this software.
- By means of warm air, the samples are heated to the testing temperature 37 ... 43 °C.

Function

- Keeping the sample bottle ready at the pipetting position and transmitting the sample corresponding to the CS-83 protocol to the HOST-PC.
- Separating out samples that have to be pipetted once more according to the test result.
- Software-controlled feed-in of control samples (calibration samples) from the control sample buffer.
- Shaking of the sample bottles with the opening downwards, at a swing radius > 150 °.
- Removal of stopples of sample bottles.
- Reading the barcode and, after pipetting, separating the unreadable barcodes out into a buffer which allows the removal only in the order in which they have been separated out.
- Separating the control samples out into a separate buffer after the testing procedure.
- Collecting the processed samples in the outlet round magazine.

Technical data	
Device-specific data	
Compressed air	600 kPa (6 bar) quick lock, nominal bore 9 mm Throughput of air < 100 l/h
Throughput of samples	Up to 600 sample bottles/h
Size of bottle buffer	Round magazine 72 bottles (max. 74 bottles) Buffer for control samples 6 bottles Buffer for barcode reading errors 6 bottles Buffer for repeated samples 13 bottles Buffer for double samples (DP) 9 bottles Buffer for samples at user's disposal 12 bottles
Heating parameters	Heating from 4...25 °C to 40 °C ± 2 °C Heating area approx. 90 sample bottle positions, 4 separately adjustable heating areas Circulating-air heating with minimised energy loss
Electrical data	
Connection	3 m connection cable with protective contact plug ("Schuko-Stecker")
Auxiliary power	230 V A/C voltage 50 ... 60 Hz
Power consumption	Approx. 3.2 kW fault current protection switch 30 mA
Interfaces	RS 232 with adjustable transmission parameters (19.200 Baud max.) Ethernet interface
Ambient conditions	
Operating temperature	0 ... 40 °C
Storage temperature	- 10 ... + 60 °C
Air humidity	Max. 80 % No dewing
Climatic class	KYF in accordance with DIN 40040
Mechanical data	
Construction	Stainless steel framework, mobile on lockable rollers, with control cabinet and supply facilities. Table superstructure made of stainless steel plates/ plastic contains functional and transport elements. Table height adjustable to ± 2 cm For cleaning, components can be removed / reassembled without tools
Dimensions	Table frame: length: 1,900 mm width: 760 mm Working area: height: 880 mm (without superstructures)
Protection type	Switch cabinet: IP 50 Control computer: IP 40
Weight	370 kg
Ordering details	
Designation	Order no.
Feeder station with bottle heating, type 6854-16	232 996