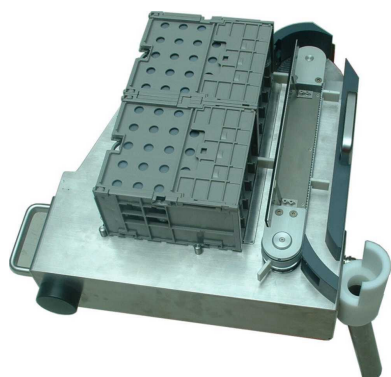


Feeder station, type 6854-17

Feed-in of BARTEC milk sample bottles from round magazines or BARTEC Bottle Box (BBB) for combined test equipment made by FOSS and Bentley with heating, capping and identification of sample bottles.



Adapter for bottle box, type 6854-65



Feeder station, type 6854-17

Description

The feeder station, type 6854-17, is designed for the automatic feed-in of sample bottles of the type 6845 with barcode tag from round magazines of the type 6875 and optional via an adapter for BARTEC Bottle Box (BBB) for combined test equipment made by FOSS and Bentley, at a cycle time of at least 6 seconds and with heating of the sample bottles.

Application

- By means of a software-controlled procedure, the feeder station is synchronised with the analysing device corresponding to the CS-83 protocol of FOSS via a serial interface or ethernet. 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 up to the testing temperature 37 ... 43 °C.

- Keeping the sample bottle ready at the pipetting position and transmitting the sample information in accordance with the CS-83 protocol to the HOST-PC.
- Separating out samples that have to be pipetted once more according to the test result.
- Removal of stoppers of sample bottles.
- Reading the barcode and, after analysing, separating the unreadable barcodes out into a buffer which allows the removal only in the order in which they have been separated out .

Function

- Sorting out sample bottles from the inlet round magazine.
- Contact-free measurement and controlling of sample bottle temperature
- Software-controlled feed-in of test samples (pilot samples) from the test sample buffer.
- Stirring the milk via shaking of the sample bottles with the opening downwards, at a swing radius > 150 °.
- Separating the control samples out into a separate buffer after the testing procedure.
- Collecting the analysed samples in the outlet round magazine.

Technical data	
Device-specific data	
Compressed air	600 kPa (6 bar) quick lock, nominal width 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) 60 bottles form bottle box, type 6876 Buffer for control samples 6 bottles Buffer for barcode reading errors 6 bottles Buffer for repeated samples 13 bottles Buffer for double samples 9 bottles Buffer for sorted-out samples 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 energy	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 classification	KYF in accordance with DIN 40040
Mechanical data	
Design	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 940 mm with adapter for bottle box, type 6854-65 Working area: height: 880 mm (without superstructures)
Protetcion type	Switch cabinet: IP 50 Control computer: IP 40
Weight	370 kg
Ordering details	
Designation	Order no.
Feeder station with bottle heating, type 6854-17	234 947
Adapter for bottle box, type 6854-65	233 323