

Feeder station, type 6854-10

Feeds in sample bottles, type 6845, from round magazines type 6875, to analysis devices FOSS-Bactoscan at a cycle time of at least 6 seconds.



Functions

- Remove sample bottles from the input round magazine.
- Software-controlled feed of control samples (calibration samples) from the control sample buffer.
- Contactless registration and processing of the sample bottle temperature.
- Overhead shaking of sample bottles at a swing radius > 150°.
- Remove stopples of sample bottles.
- Read barcode and after pipetting transfer illegible barcodes into a buffer which allows the removal only in the order in which the barcodes have been taken out.
- Provide sample bottle at the pipetting position and transmit sample information according to the CS-83-protocol to the HOST-PC.
- Remove samples which have to be repipetted according to the examination result; software-controlled, automatic refeed.
- Introduce samples which have to be repeated via a separate buffer for repeated samples.
- Transfer control samples into a separate buffer after the examination.
- Collect processed samples in the output round magazine.

The feed station is synchronized with the analyzing device via software by means of a disclosed RS-232 protocol corresponding to the CS-83 protocol of FOSS. If MILAB-Software (MILAB-WBS/WBC) is applied, the device is controlled by this software.

Technical data							
Device-specific data							
Compressed air	6 bar quick lock NW 9 mm						
Sample throughput	Max. 600 sample bottles /h						
Overhead shaker	1 ... 20 shaking strokes per cycle, adjustable according to cycle speed						
Bottle buffer sizes	Input magazine : 72 sample bottles Output magazine: 72 sample bottles Buffer for feed of control samples: 8 sample bottles Buffer for feed of special samples: 10 sample bottles Longitudinal buffer for removal of control samples : 11 sample bottles Longitudinal buffer 2: 11 sample bottles Buffer for barcode reading errors: 6 sample bottles						
Electrical data							
Connection	230 V AC voltage 50 ... 60 Hz 3 m connection cable with Schuko plug						
Power consumption	Approx. 0.6 kW						
Residual current circuit-breaker	30 mA						
Interfaces	RS 232, 9-pole plug With adjustable transmission parameters (max. 19 200 Baud) Ethernet interface RJ 45 (10 MBit)						
Ambient conditions							
Permissible operating temperature	0 ... + 50 °C						
Permissible storage temperature	- 10 ... + 60 °C						
Permissible air humidity	Max. 80 %, no dewing						
Climatic classification	KWF according to DIN 40040						
Mechanical data							
Design	Rack with stainless steel frame, movable on lockable and vertically adjustable rollers with switch cabinet and supply facilities. Table superstructure raisable (contains functional and transport elements). Table height adjustable to ± 20 mm For cleaning, individual components can be removed and reassembled without tools Table area tight below						
Dimensions	<table border="0"> <tr> <td>Table rack</td> <td> Length: 1400 mm Width: 600 mm Height of working-area: 880 mm \pm 20 mm without superstructures </td> </tr> <tr> <td>Operating unit adjustable</td> <td> Height above table approx. 450 mm Max. overall height approx. 1400 mm </td> </tr> <tr> <td>Pipetting position</td> <td> Height adjustable in the range of 880 mm \pm 20 mm At least 4 mm above table top Distance from table edge: 120 mm </td> </tr> </table>	Table rack	Length: 1400 mm Width: 600 mm Height of working-area: 880 mm \pm 20 mm without superstructures	Operating unit adjustable	Height above table approx. 450 mm Max. overall height approx. 1400 mm	Pipetting position	Height adjustable in the range of 880 mm \pm 20 mm At least 4 mm above table top Distance from table edge: 120 mm
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Pipetting position	Height adjustable in the range of 880 mm \pm 20 mm At least 4 mm above table top Distance from table edge: 120 mm						
Weight	Approx. 150 kg						
Protective type	IP 53 Switch cabinet: IP 65 (ventilator IP 43) Control computer: IP 40						
Ordering details							
Feeder station, type 6854-10	211 680						