ColonyStar
automatic

FUNKE GERBER

Equipped with camera and wireless screen
for quick and easy evaluation of Petri dishes

Three modes of operation:

1. Manual Mode:
"Single Shot Mode".
A colony will be marked and counted by tapping the selected colony. It can be canceled by tapping again the same colony.

2. Assistance mode:
In dialogue with the device the Petri dish can be evaluated quickly and easily, i.e. colonies of the same type are automatically recorded, marked and counted when tapping on one colony.

3. Automatic Mode:
The device is "trained" with some Petri dishes and then can evaluate similar Petri dishes in seconds, "Fully automatic". Storage and sorting of results, including evaluated images.

The modes can changed anytime by tapping "Mode".

ColonyStar automatic

Manual (Short version):

1.	Connect the device(s) at the powersupply and switch on.
2.	The device is ready for use after changing the color of the light from yellow to green.
3.	Please put in the Petri dish.
4.	Tap "Start" button on the touch screen. → From the Petri dish a picture is taken and shown on the screen.
5.	**Evaluating the Petri dish:** Chose the mode you prefer to use: "Manual mode" or "Assistance mode" or "Automatic mode". The number of colonies appears on the display. It is possible to store and sort the results, including evaluated images.

> *Note:*
> *Training function: The device is trainable on different bacterias including the different sorts of agars.*
> *The result will be better after training with several Petri dishes containing similar species on similar agar.*

Tecnical specifications:

Parameter	Range
Input voltage (Power supply of the ColonyStar Scanner)	100 - 240 V_{AC}
Frequency (Power supply ColonyStar Scanner)	50 - 60 Hz
Power max. (Power supply ColonyStar Scanner)	24 W max.
Output voltage (Power supply ColonyStar Scanner)	24 V_{DC}
Input voltage (Power supply Tablet)	100 - 240 V_{AC}
Frequency (Power supply Tablet)	50 - 60 Hz
Power max. (Power supply Tablet)	10 W
Output voltage (Power supply Tablet)	5 V_{DC}
Tablet-Display	10" (254 mm)
Systems software (Tablet)	Android
Protection	II
Protection type	IP20
Operation temperature	5 °C - + 40 °C
Storage temperature	-10 °C - + 60 °C
Dimensions (ColonyStar Scanner) (LxBxH)	186 x 155 x 197 mm
Weight (ColonyStar Scanner + Tablet)	1665 g

Ordering specifications:

Article number	Article
8550	**ColonyStar automatic**, equipped with ColonyStar Scanner + Tablet Computer Standard
8551	**ColonyStar automatic**, equipped with ColonyStar Scanner + Tablet Computer Superior
8552	**ColonyStar Scanner**
8553	**Tablet Computer Standard**
8554	**Tablet Computer Superior**