

VOLTCRAFT - RELIABLE AND PRECISE. SINCE 1982.

For decades, our product range has been dynamically adapting to the constant changes in the industry. We commit to offering first-class quality to our customers while delivering an excellent cost-performance ratio. This philosophy remains the cornerstone of Voltcraft's success.

BS-820 HD **88.9 mm (3.5") HD Borescope** **with 5.5 mm Dual Camera**



Item no: 3553224

This product is a borescope. Use the product to perform optical troubleshooting and inspection on powered-down systems and facilities.



FEATURES

HD 1MP camera resolution (1280 x 720 pixels) //
88.9 mm (3.5") TFT-LCD display with 640 x 480 pixels resolution //
IP67 protection rating for overall device & camera (head & tube) //
Long battery life approx. 3.5 hours continuous use // Image storage support via Micro SD Card //
5.5 mm dual camera head diameter // 1m Camera tube length //
6 + 1 adjustable LEDs for low-light illumination //
USB Type C port for connecting K-type thermocouple

TECHNICAL DATA

Main unit

Operating voltage	4 × 1.5 V AA batteries (not included)
Current consumption	max. 400 mA
Battery life	approx. 3.5 hours continuous use
Auto power off	5 minutes / 10 minutes / 20 minutes (selectable)
Display type	88.9 mm (3.5") TFT-LCD
Display resolution	640 × 480 pixels
Digital display rotation	0 – 180°
Operating temperature	0 to +45 °C
Storage temperature	0 to +45 °C
Dimensions (W × H × D)	176 × 104.3 × 161.3 mm
Weight	approx. 430 g

Gooseneck camera

Camera head diameter	5.5 mm dual camera
Camera resolution	Front camera resolution: 1280 x 720 px Side camera resolution: 1280 x 720 px
Sensor	1/9" HD CMOS sensor
Camera tube length	1 m
Field of view	68°
Camera focus range	Front: 35 - 60 mm Side: 20 - 50 mm
Minimum bend radius	45 mm
IP rating	IP67 (overall device, camera head and tube)
LED	6 + 1 adjustable LEDs (front and side)
LED brightness	Front: 580 lux ±150 lux (at a distance of 35 mm) Side: 1500 lux ±150 lux (at a distance of 35 mm)
White balance	automatic
Exposure	automatic
Video recording	yes
Video format	AVI
Photo format	JPG
Frame rate	25 fps

Digital zoom	1x, 2x, 3x
Image storage	Micro SD card support (up to 128 GB)
Suitable thermocouples	
K-Type thermocouple measurement range	-200 °C to +1350 °C
K-Type thermocouple measurement accuracy	-200 °C to +700 °C: ± 2 °C; +700 °C to +1350 °C: ± 4 °C

CONTENTS

Main unit // Gooseneck camera // Hook // Magnet // USB-C® cable // USB-C® to Type-K adapter // Storage case // Operating instructions

This is a publication by Conrad Electronic SE, Klaus-Conrad-Str. 1, D-92242 Hirschau (www.conrad.com).

All rights including translation reserved. Reproduction by any method (e.g. photocopying, microfilming or the capture in electronic data processing systems) requires prior written approval from the editor. Reprinting, also in part, is prohibited. This publication reflects the technical status at the time of printing.

Copyright by Conrad Electronic SE.

*3553224_V1_0326_en_ds 9007202079487883 I2/O1 en