



Radio hand-held scanner BCS 370^{ex}

Features

- Insensitive to direct exposure to normal factory lighting
- High level of impact resistance - robust
- All common barcodes readable
- 35 scans per second
- Free movement during data acquisition, up to a distance of 30 m from the radio receiving station

Description

As innovative as it is rugged, the wireless radio hand-held scanner BCS 370^{ex} from BARTEC delivers the sophisticated ergonomic and operational features industrial applications demand.

The radio hand-held scanner BCS 370^{ex} is able to easily read all conventional 1D-barcodes. Via the key pad, alphanumerical data can be entered and presented on the display.

The radio hand-held scanner BCS 370^{ex} is equipped with a license-independent software, which offers the user the possibility of manually entering alphanumerical data, scanning all conventional 1D-barcodes and transferring them online via radio to the host system for evaluation and further processing. The BCS 370^{ex} has a robust housing, an internal shock absorber and an ultrasonic welded window.

This means that the BCS 370^{ex} is suitable for the hardest industrial conditions. With these measures the scanner can withstand a drop to concrete of 1.8 m.

Design

The BCS 370^{ex} radio hand-held scanner with integrated decoder has been designed for wireless real-time data acquisition and allows for a highly efficient operation in production halls, warehouses and other application sites.

During data acquisition, the user is able to freely move within a distance of up to 30 m around the radio receiving station. The BCS 370^{ex} radio hand-held scanner features the intrinsic safety type of protection and can be directly applied in hazardous areas of zone 1 or 2.

Base Station

The charging station (cradle) serves, at the same time, as radio receiving station and is installed in non-hazardous areas. By means of a RS232 cable, the base station can be connected to all conventional hosts.

Explosion protection

Ex protection type

II 2G EEx ib IIC T4

Certification

IBExU04ATEX1060

Ambient temperature

-20 °C to +40 °C

-4 °F to +104 °F

Storage temperature

-20 °C to +70 °C

-4 °F to +158 °F

Charging temperatures

0 °C to +40 °C

+32 °F to +104 °F

Technical data

Keyboard version

17 keys (numeric and switchable alphabetic keys)

Display

2 lines, each with 20 characters

Scan rate

35 scans per second

Scan angle

42° ± 2°

Light source

650 nm laser diode

Scan element type

Retro-collective

Radio specifications

Radio range

max. 30 m
side-by-side with existing
Spectrum24 systems

Frequency

2.4 GHz point-to-point narrow band,
82 user-selectable channels

Output power

< 10 mW

Weight

approx. 400 g (approx. 14.1 oz)

Humidity

5 % to 95 % (non-condensing)

Dimensions (height x length x width)

173 mm x 150 mm x 74 mm
6.8 inch x 5.9 inch x 2.9 inch

Protection class

IP 54

Power supply

3.6 V/1100 mAh Li-ion battery
BARTEC Type: 17-21BE-0008

Order no. Radio hand-held scanner BCS 370^{ex} 17-21BA-0021

including Li-ion batterie (1 piece)

Technical data subject to change without notice.
Note: All variants without accessories. You will find the accessories with order details on the accessories pages.

Connection possibility

Safe area



Radio receiving and charging station (non-hazardous)



Radio hand-held scanner BCS 370^{ex}