Hand-held scanner BCS 3800ex
for 1D-Barcodes

→ Explosion protection

Ex protection type
Ex II 2G Ex ib IIC T4
-20 °C ≤ T_a ≤ +50 °C

Ex II 2D ibD 21 T135 °C
-20 °C ≤ T_a ≤ +50 °C

Certification
IBExU 09 ATEX 1060

→ Technical data

Ambient temperature
-20 °C up to +50 °C

Storage temperature
-40 °C up to +60 °C

Decode capabilities
all common 1D-barcodes

Scan rate
270 scans per second

Connection power pack
pluggable via 2.1 m connection cable

Light source
Visible red light 630 nm

Reading distance
up to 2.1 m

Weight
approx. 213 g without cable

Humidity
5 % up to 95 % (non-condensing)

Dimensions (height x length x width)
163 mm x 81 mm x 135 mm

Protection class
IP 54

LED safety
LED classification according to
DIN EN 60825-1

Operating voltage/power requirements
U = 5 V/210 mA (Standby 60 mA)

Supplied through the appertaining power pack

Accessories for BCS 3800ex
- Extension cable, plug/socket 6 m
- Connection cable
- Bracket for wall or desk mounting

Features

- Insensitive to direct exposure
- High level of impact resistance - robust
- All common barcodes readable
- 270 scans per second
- RS232/RS422 interface via power pack
- Pluggable

Description

As innovative as it is rugged, the BCS 3800ex hand-held scanner from factory delivers the sophisticated ergonomic and operational features industrial applications demand.

The scan line is wider than in conventional laser scanners and accordingly more visible. This makes aiming at the barcode much easier – even on hard-to-access objects.

With its high scanning and decoding frequency of 270 Hz, it can easily read a large number of barcodes in quick succession.

The BCS 3800ex has a robust enclosure that can withstand use in even the toughest conditions.

Even dropping it onto the ground several times from a height of 2 m will not damage this scanner.

Design

The BCS 3800ex hand-held scanner with integrated decoder is designed for the pluggable connection to a power pack. The power pack is for direct installation in hazardous area. The power pack contains an explosion proof module incorporating the intrinsically safe power supply (barriere) and one signal barriere for the data lines.

The data connections are available in the hazardous area - Zone 1 and 21 for connections to non-hazardous host systems (PC, PLC or micro-processor).

➡ Order no.
**Hand-held scanner
BCS 3800ex
17-21BA-0024**

with 2.1 m spiral cable