



IS-TH1xx.M1

Handheld Barcode Scanner

- › **Approval**
Ex ia op is I Ma
- › **Dimensions**
weight: 500 g
size: 200 x 125 x 82 mm
- › **Indication function**
loudspeaker
vibration
LED display
- › **Communication**
over the multi functional
ISM interface
- › **Power supply**
over the connected device,
this can be loaded in the Trigger
Handle
- › **Scan types**
IS-TH1 MR (mid range)
with Zebra SE4750 MR up to 6 m
IS-TH1 ER (extended range)
with Zebra SE4850 ER up to 18 m

i.safe MOBILE Mobile phones, smartphones and tablets for ATEX zone 1, 2 and industrial use

The i.safe MOBILE GmbH is your **partner** for the development, approval and marketing of **explosion-proof mobile communication devices**. With more than 15 years of experience, i.safe MOBILE GmbH belongs to the most innovative and well-established experts worldwide.

Our priority is development of practice-oriented products based on the legal requirements. We place **great emphasis on quality** not only in the development of our products, but also by offering customized service to your needs and detailed maintenance plan. To improve upon customer relationship we rely on our authorized **worldwide partner network**. In case you need an **optimal solution from a technical and economic point of view** – i.safe MOBILE GmbH is your expert.

We look forward to have a long-term and trusting relationship with you.

All i.safe MOBILE products are standard equipped with the following specifications:



IP6X dust and waterprotected



operation range from -20 °C to +60 °C



cleaning with germicide possible



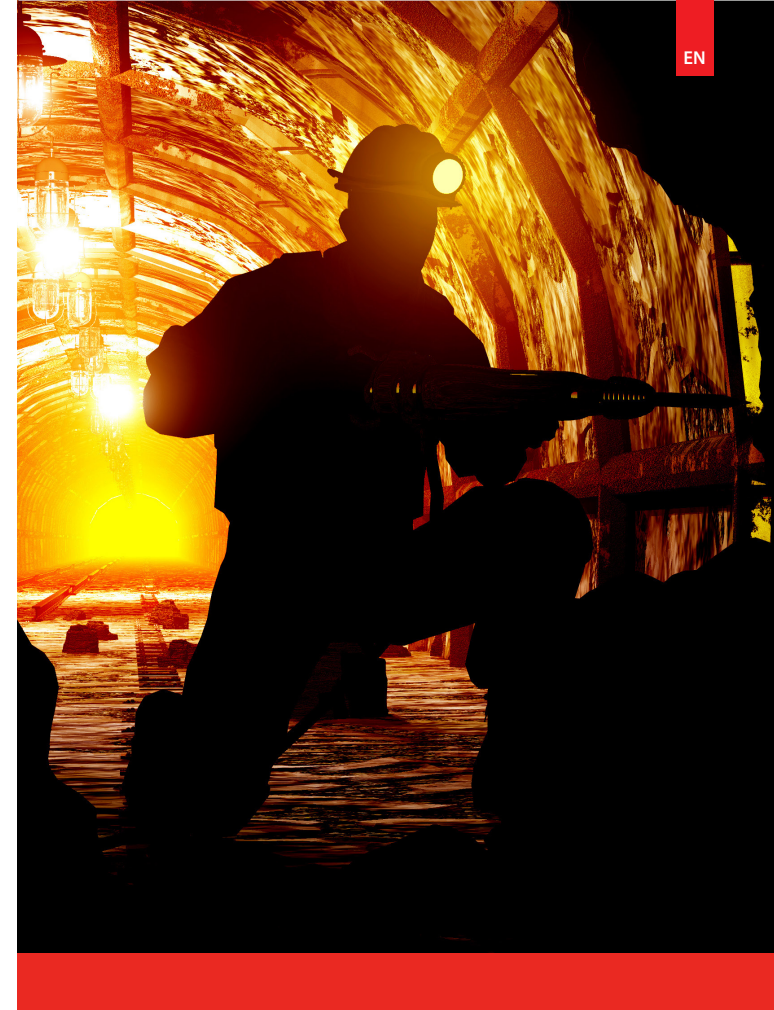
impervious to dust and microparticles



RugDisplay-Glass



amplified loudspeaker



Devices for Group I M1 Mining



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IS530.M1

Smartphone



IS930.M1

Tablet



IS-TC1A.M1

Thermal Camera

› **Approval**
 Ⓔ I M1 Ex ia I Ma IP64
 Ex ia I Ma IP64

› **Operating system**
 Android™ 13

› **Dimensions**
 weight: 325 g
 size: 155 x 80 x 25 mm

› **Display**
 4,5" Gorilla®Glass with a
 resolution of 854 x 480 px

› **Camera**
 13 MP AF (rear), 5 MP FF (front)

› **Wireless communication**
 Bluetooth® 5, Wi-Fi®, GPS, A-GPS,
 GLONASS, Beidou, Galileo, NFC

› **Processor**
 Qualcomm® Snapdragon™ SDM660
 Octa Core (2,2 GHz/1,8 GHz)

› **Memory**
 4 GB RAM, 64 GB internal
 memory, external memory microSD
 up to 128 GB

› **Frequencies**
 GSM: 850/900/1800/1900 MHz
 WCDMA: B1/2/4/5/8
 LTE-FDD: B1/2/3/4/5/7/8/12 with MFB1
 B13/14/17/20/25/ 26/28A/28B/29/30/66
 LTE-TDD: B38/B39/B40/B41
 TD-SCDMA: B34/B39

› **Battery**
 3600 mAh, replaceable

› **Quick charge**

› **Safety functions**
 SOS key, PTT key
 LWP ready*, PTT ready*

› **Degree of protection**
 IP68

› **Approval**
 Ⓔ I M1 Ex ia I Ma IP64
 Ex ia I Ma IP64X

› **Operating system**
 Android™ 13

› **Dimensions**
 weight: 890 g
 size: 237 x 156 x 22 mm

› **Display**
 8" RugDisplay Glass multi
 capacitive touchscreen with a
 resolution of 1200 x 1920 px

› **Camera**
 13 MP AF (rear), 5 MP FF (front)

› **Wireless communication**
 Bluetooth® 5, Wi-Fi®, GPS, A-GPS,
 GLONASS, Beidou, Galileo, NFC

› **Processor**
 Qualcomm® Snapdragon™ SDM660
 Octa Core (2,2 GHz/1,8 GHz)

› **Memory**
 4 GB RAM, 64 GB internal
 memory, external memory microSD
 up to 128 GB

› **Frequencies**
 GSM: 850/900/1800/1900 MHz
 WCDMA: UMTS B1/2/4/5/8
 LTE-FDD: B1/2/3/4/5/7/8/12
 with MFB1 B13/14/17/20/25/26/28A/
 28B/29/30/66
 LTE-TDD: B38/B39/B40/B41
 TD-SCDMA: B34/B39

› **Battery**
 8400 mAh

› **Safety functions**
 SOS key
 LWP ready*

› **Degree of protection**
 IP68

› **Approval**
 Ⓔ I M1 Ex ia I Ma
 Ex ia I Ma

› **Sensor resolution**
 200 (h) x 150 (v) | 30000 px
 FixFocus
 digital zoom over app

› **Sensor sensitivity**
 65 mK (typical)

› **Frame rate**
 <9 Hz to 32 Hz

› **Scene dynamic range**
 -40 °C to 330 °C

› **Temperature accuracy**
 ±7 °C/7 % (at 5 °C to 140 °C)
 ±10 °C/10 % (at 140 °C to 330 °C)

› **Detection range**
 up to 300 m

› **Recognition range**
 up to 75 m

› **Identification range**
 up to 25 m

› **View range**
 35° (HFOV) | 26° (VFOV)

› **Dimensions
 (without smartphone)**
 weight: 195 g
 size: 112 x 82 x 50 mm

› **Power supply**
 over the connected mobile device

› **Communication**
 over the multi functional ISM
 interface of the IS530.1

› **Degree of protection**
 IP67
 MIL-STD 810H
 usable from -10 °C to +60 °C

*Push-to-talk/LWP (third party application required)