i.safe MOBILE

ZONE 1/21
CL I, II, III DIV 1

Recording and displaying of temperatures

IS-TC1A.1

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The set of Thermal Camera and an industrial smartphone IS530.x is the perfect combination for reliably detecting temperatures in hazardous areas. The camera captures thermal images in seconds over a very wide measuring range from -40 °C to 330 °C. The data is further processed directly via the IS530.x smartphone connected via the ISM interface.

i.safe MOBILE

IS-TC1A.1

ATEX approval: Ex-Zone 1/21
⚠ II 2G Ex ib IIC T4 G
⚠ II 2D Ex ib IIIC T135°C Db

IECEx approval: Ex-Zone 1/21
Ex ib IIC T4 G
Ex ib IIIC T135°C Db

NEC500 approval applied for:
Class I, II, III Division 1
Groups A B C D E F G T4

TECHNICAL FEATURES

Sensor resolution	200 (h) x 150 (v)	30000 pixels
Frame Rate	<9 Hz or up to 32 Hz
Scene Dynamic Range	-40 °C to 330 °C
HFOV	35°
VFOV	26°
Dimensions	size: 112 x 82 x 50 mm	weight: 190 g
Power supply	over IS530.x	this can be loaded in the camera
Communication	over the multi functional ISM interface of the IS530.x
Type of protection	IP67	MIL-STD 810H	useable from -10 °C to + 60 °C

IS530.1

Android™ 10

4,5" Gorilla Glass®
3. generation,
resolution 854 x 480 pixels

3600 mAh battery,
replaceable,
3,8 V, 13,68 Wh

Bluetooth® 5

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

Qualcomm Snapdragon
SDM660 Octa-Core
Kryo Gold-Quad cores
2,2 GHz
Kryo Silver-Quad cores
1,8 GHz
4 GB RAM
64 GB internal memory

2,4 GHz + 5 GHz: IEEE
802.11 a/b/g/n/ac/e/k/r/h
with hotspot for max. 8
connections

The complete description you will find on our homepage: **www.isafe-mobile.com**

Please visit our website and you will find more detailed information, as well as an overview of compatible accessories.

WWW.ISAFE-MOBILE.COM

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