

ISAFE THERMAL CAMERA ADD-ON ZONE 1/21 IS-TC1A.1 (FOR IS530.1)



\$2,640.00 GST included

SKU: 01-00100901-001-001 | **Categories:** [Digital Camera](#), [Intrinsically Safe](#) |



GALLERY IMAGES



PRODUCT DESCRIPTION

The thermal camera IS-TC1A.1, in combination with the industrial [smartphone IS530.1](#) detects temperatures in the Ex-hazardous area from -40 °C to 330 °C in a matter of seconds via the Seek Thermal app (free download in Google Play Store). The thermal images and videos are processed and documented directly via the ISM interface of the [IS530.1 smartphone](#).

Advantages

- Capture, analyze and document thermal images
- Direct data transfer via multifunctional (ISM) interface
- Direct interface connection with the device, no Bluetooth® necessary
- Power supply via the connected device, therefore no battery necessary

Technical Features

Sensor resolution	200 (h) x 150 (v) 30000 pixel FixFocus Digital zoom via App
Sensor sensitivity	65 mK (typical)
Frame rate	<9 Hz bis 32 Hz
Scene dynamic range	-40 °C bis 330 °C
Temperature accuracy	±7 °C and 7 % (at 5 °C to 140 °C) ±10 °C and 10 % (at 140 °C to 330 °C)
Field of view	35° (HFOV) 26° (VFOV)
Detection range	up to 300 m
Recognition range	up to 75 m
Identification range	up to 25 m
Dimensions	Size: 112,0 x 82,0 x 50 mm Weight: 195 g
Types of protection	IP68 dust-/waterproof MIL-STD 810H Usable from -20 °C to +55 °C

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Certifications



ATEX (Europe) approved

II 2G Ex ib IIC T4 Gb

II 2D Ex ib IIIC T135°C Db



IECEX (International) approved
Ex ib IIC T4 Gb
Ex ib IIIC T135°C Db

What's in the box

- Thermal camera
- Safety Instructions
- Quick Start Manual

Downloads

[Datasheet IS-TC1A.1](#)

[Operating Manual/Safety Instructions IS-TC1A.1](#)

[IECEX IS-TC1x.1](#)

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