

IS-TC1A.1 Thermal Camera Set Art. No. 317719



- Ideal for Mobile Worker Applications
- capture, analyse and document thermal images
- direct data transfer via ISM interface
- direct interface connection with device, no Bluetooth® required
- power supplied via connected device, thus no battery required

**MY R. STAHL MPERIPHER-
ALSA**



The explosion-protected IS-TC1A.1 thermal camera, in combination with the IS530.1 industrial smartphone detects temperatures in hazardous areas 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.

Technical Data

General	
Technology	Thermal imaging camera
Explosion Protection	
Application range	Zone 1, Zone 21 Zone 2, Zone 22
Application range (divisions)	Class I, Division 1 Class II, Division 1 Class III
Scope	EU (CE / ATEX) Global (IECEX) USA (NEC®) Canada (CE Code) Brazil (INMETRO)
IECEX certification	EPS 21.0060X
ATEX certification	EPS 21 ATEX 1 197 X
NEC certification	70220251
CE-Code certification	70220251
INMETRO certification	BRA 22.GE0023X
IECEX gas explosion protection	Ex ib IIC T4 Gb
IECEX dust explosion protection	Ex ib IIIC T135°C Db
ATEX gas explosion protection	Ex II 2G Ex ib IIC T4 Gb
ATEX dust explosion protection	Ex II 2D Ex ib IIIC T135°C Db
NEC gas explosion protection	Class I, Div 1, Groups A, B, C, D, T4
NEC dust explosion protection	Class II, Div 1, Groups E, F, G, T135°C Class III, Div 1
CE-Code gas explosion protection	Class I, Div 1, Groups A, B, C, D, T4
CE-Code dust explosion protection	Class II, Div 1, Groups E, F, G, T135°C Class III, Div 1
INMETRO gas explosion protection	Ex ib IIC T4 Gb

IS-TC1A.1 Thermal Camera Set Art. No. 317719

Explosion Protection

INMETRO dust explosion protection	Ex ib IIIC T135°C Db
-----------------------------------	----------------------

Electrical Data

Frequency	<9 Hz - 32 Hz
-----------	---------------

Interfaces	ISM-socket
------------	------------

Camera Data

Viewing angle	35° H, 27° V
---------------	--------------

Total pixels	200 (H) x 150 (V)
--------------	-------------------

Pixel	30000 pixel
-------	-------------

Ambient Conditions

Ambient temperature	-10 – 60
---------------------	----------

Mechanical Data

Version	Fixed viewing angle
---------	---------------------

Degree of protection (IP)	IP68
---------------------------	------

Weight	1 kg
--------	------

Weight	2.2 lb
--------	--------

We reserve the right to make alterations to the technical data, dimensions, weights, designs and products available without notice. The illustrations cannot be considered binding.