

 **ISG**
INFRA SYS

250 Series



PRIORITISE FIREFIGHTER SAFETY

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INFRA SYS

www.isgfire.co.uk

Lotek A/S - Beskyttelses- og Marineafdelingen
Bohrersvej 7 • DK-8600 Silkeborg
Tel. +45 70 13 52 00 • Fax +45 86 80 32 39
mabe@lotek.dk • www.lotek.dk

 **LOTEK**[®]
S A F E T Y
- et selskab i GD-Gruppen

PERFORMANCE FEATURES

The 250 Series TICs combine ISG Infrasy's Eco-Clear Sensor with the latest essential ICE™ technology, providing you with exceptional imaging performance and extra headroom, crucial for informed decision making in emergency situations. Only the 250 Series take these features to new heights, offering unprecedented performance at an affordable price.

1000 + MODE

Most TICs will produce good quality images up to around 500°C, but with the 250 Series TICs, you can continue imaging without any performance degradation beyond 1000°C! Only ISG Infrasy TICs continue to give you excellent imaging performance, even in flashover, so you can find the exit and get out FAST!

ICE™

Only ISG Infrasy TICs can offer you ICE™, an exclusive technology designed specifically for use in firefighting situations. This patented technology enables you to image both hot and cold objects at the same time, without losing vital scene details such as an injured person or even the exit. Prioritise your safety with ICE™ technology.



ECO-CLEAR SENSOR

The 250 Series' unique Eco-Clear Sensor operates in conjunction with ICE™ Technology to offer an unrivalled super clear image in 160 x 120 resolution. It delivers Ultra High Dynamic Range performance to provide with even more headroom, for clear imaging in the most extreme situations.

EXTRA FEATURES

ZOOM

The Zoom feature enables you to magnify the thermal image to X2 for a better assessment of the scene, whilst remaining at a safe distance.

VIDEO CAPTURE

Video Capture enables you to record and save over 3.5 hours of live video, or capture over 100 still images for review at a later date.



VEHICLE MOUNTED CHARGERS

Choose either the single or twin VMC, both ideal for mounting your TIC in the truck so it's ready to go and fully charged with every call-out.

TECHNICAL SPECIFICATION

Performance	K250	SD250
Detector	160 x 120 Amorphous Silicon	160 x 120 Amorphous Silicon
Spectral Response	8 µm to 14 µm	8 µm to 14 µm
Sensitivity (nominal)	50 mK	50 mK
Dynamic Range	> 1000° C	> 1000° C
Scene Update Rate	50 Hz (PAL), 60 Hz (NTSC)	50 Hz (PAL), 60 Hz (NTSC)
Operating Duration	20 mins @ 120° C, 8 mins @ 260° C	20 mins @ 120° C, 8 mins @ 260° C
Operating Temperature	-40° C to ~450° C (limited exposure)	-40° C to ~450° C (limited exposure)
Start-up Time (nominal)	< 10 seconds	< 10 seconds
DTM Range	0° C to 1000° C	0° C to 1000° C
Detection Range	130 metres	130 metres
Battery Technology	Rechargeable NiMH	Rechargeable NiMH
Operating Time	Up to 5 hours	Up to 5 hours
Recharge Time (nominal)	2.5 hours	2.5 hours
Physical	K250	SD250
Dimensions	185 x 130 x 149 mm	284 x 145 x 144 mm
Weight (without battery)	1.2 Kg	1.2 Kg
Water Resistant	IP67, 1 metre depth	IP67, 1 metre depth
Drop	2.0 metres	1.8 metres
Display Size (diagonal)	90 mm	165 mm equivalent (magnified)
Viewing System	Standard (team)	Universal (up-to-face / team)
Lens Size	5 mm	5 mm
Field of View (diagonal)	54°	54°

Accessory Kits

Basic Kit	1x TIC, 1x AA Battery Cassette, 1x Lanyard, 1x Soft Carry Bag
Hard-Case Kit	1x TIC, 2x Rechargeable Batteries, 1x Desktop Charger, 1x Lanyard, 1x Hard-Case

