RIDGID

EMERSON

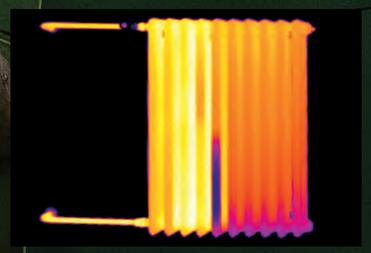
THERMAL IMAGING

PRODUCT CATALOG

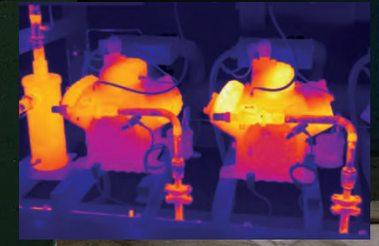
PREDICT. PREVENT. PERFORM.

RIDGID® thermal imagers feature the latest technology, including the best image in their class and an easy-to-use interface, to help you more efficiently predict problems before they happen and prevent costly downtime. And, the ruggedly built tool, backed by the industry's best warranty, gives you the confidence to take it on any job.

For your thermal imaging needs, turn to the trade's most trusted brand.



ENSURE QUALITY AND FUNCTIONALITY
Identify faults in radiators at a glance.



SAVE TIME AND RESOURCES
Localize anomalies and leaks in pipelines.

MAINTAIN SYSTEMS
Identify excessively high temperatures in circuit breakers and electrical components before breakdowns occur.

DETECT ENERGY LOSSES
Immediately identify insulation voids and thermal bridges in building exteriors.

RIDGID® THERMAL APP

Create and send reports from the field using your phone or tablet.

GET IT ON Google Play

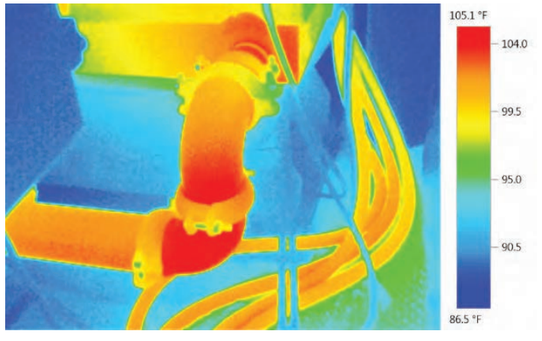
Download on the App Store

PRECISE THERMAL IMAGES ARE EASY WITH THESE FEATURES.

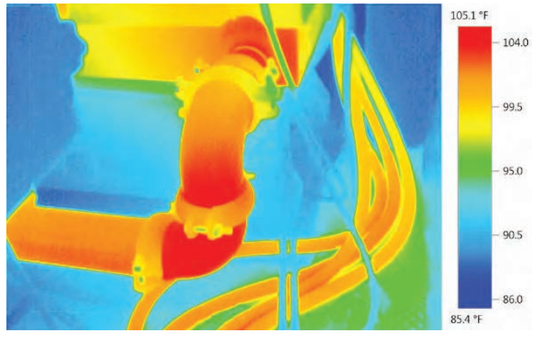
SUPERRESOLUTION

DOUBLE THE DETAIL

Using pixel shift technology, SuperResolution effectively doubles the resolution of your camera, allowing greater detail to detect anomalies. Our RT-9x 320×240 resolution imager can create images with resolution as high as 640×480 using the perspective change provided by natural hand movements when capturing an image. Thermal images taken with SuperResolution rival higher resolution, higher cost cameras.



Without SuperResolution (320x240)



With SuperResolution (approx. 640x480)

Ɛ-ASSIST

AUTOMATICALLY SET EMISSIVITY

For precise thermal images, it is important to set the emissivity and the reflected temperature (RTC) of the object being examined in the imager. Using material tables and aluminum foil is a complicated and less than accurate process. With Ɛ -Assist, simply attach one of the reference stickers to the target object. Via the integrated digital camera, the thermal imager recognizes the sticker, determines emissivity and reflected temperature and sets both values automatically. (Available for the RT-5x, RT-7x, and RT-9x only.)

Attach Ɛ-marker and record the object with the digital camera in the thermal imager.

Emissivity and RTC are automatically determined.

Precise thermography of object.

RIDGID® THERMAL APP

REPORTING MADE SIMPLE

Create and share reports quickly and easily with the RIDGID® Thermal App. View, edit, and analyze captured images from the thermal imager directly on your mobile device.

GET IT ON Google Play

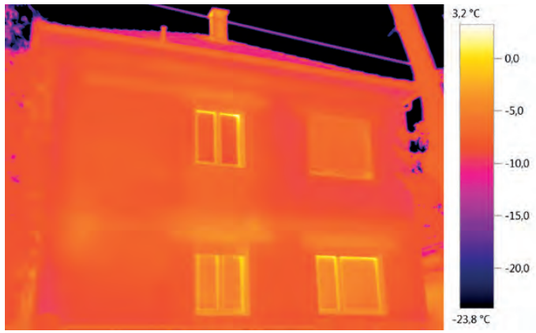
Download on the App Store

Thermal App for RT-5x/RT-7x/RT-9x
Download now for iOS or Android free of charge.

SCALEASSIST

CONSISTENCY BEFORE AND AFTER

ScaleAssist automatically sets the optimum thermal image scale. This makes evaluation of construction errors and thermal bridges easier than ever before. Interpretation errors can be caused by false evaluation of the scaling. Undesired extreme temperatures are automatically filtered out of the image and are only represented as such when they really are present. This makes infrared images comparable in spite of altered ambient conditions. This is critical in before-and-after images.



Without ScaleAssist

With ScaleAssist

RT-3

RT-3 THERMAL IMAGER

With 160×120 pixels, the RT-3 is the perfect entry into thermography. Visualize temperature differences from 0.12 °C, and automatically recognize hot-cold spots.

Infrared resolution	160×120 pixels (with SuperResolution 320×240 pixels)
Thermal sensitivity (NETD)	< 120 mK
Measuring range	-20° to +280° C
Field Of View (FOV)	31° x 23°
Wi-Fi / App enabled	—
Integrated visual camera	—
ScaleAssist	✓
E-Assist	—

CATALOG NO.	DESCRIPTION	WEIGHT	
		LB.	KG
57533	RIDGID RT-3 Thermal Imager	4.8	2,2

RT-5x

RT-5x THERMAL IMAGER

Find the problem with an integrated digital camera and 160×120 pixel thermal images in which temperature differences of 0.12 °C are visible. Tap into the thermal app to quickly send reports on site.

Infrared resolution	160×120 pixels (with SuperResolution 320×240 pixels)
Thermal sensitivity (NETD)	< 100 mK
Measuring range	-30° to +650° C
Field Of View (FOV)	31° x 23°
Wi-Fi / App enabled	✓
Integrated visual camera	✓
ScaleAssist	✓
E-Assist	✓

CATALOG NO.	DESCRIPTION	WEIGHT	
		LB.	KG
57528	RIDGID RT-5x Thermal Imager with Wi-Fi	4.8	2,2

RIDGID® THERMAL APP

GET IT ON Google Play

Download on the App Store

RT-7x

RT-7x THERMAL IMAGER

Digital camera with 240×180 resolution that can identify temperature differences from 0.09 °C.
Tap into the thermal app to quickly send reports on site.

Infrared resolution	240×180 pixels (with SuperResolution 480×360 pixels)
Thermal sensitivity (NETD)	< 90 mK
Measuring range	-30° to +650°C
Field Of View (FOV)	35° x 26°
Wi-Fi / App enabled	✓
Integrated visual camera	✓
ScaleAssist	✓
E-Assist	✓

CATALOG NO.	DESCRIPTION	WEIGHT	
		LB.	KG
57523	RIDGID RT-7x Thermal Imager with Wi-Fi	4.8	2,2

RIDGID® THERMAL APP

GET IT ON Google Play | Download on the App Store

RT-9x

RT-9x THERMAL IMAGER

Professional imager with 320×240 resolution. Digital camera that can identify temperature differences from 0.06 °C. Tap into the thermal app to quickly send reports on site.

Infrared resolution	320×240 pixels (with SuperResolution 640× 480 pixels)
Thermal sensitivity (NETD)	< 60 mK
Measuring range	-30° to +650° C
Field Of View (FOV)	42° x 30°
Wi-Fi / App enabled	✓
Integrated visual camera	✓
ScaleAssist	✓
E-Assist	✓

CATALOG NO.	DESCRIPTION	WEIGHT	
		LB.	KG
57518	RIDGID RT-9x Thermal Imager with Wi-Fi	4.8	2,2

RIDGID® THERMAL APP

GET IT ON Google Play | Download on the App Store

EARLY DETECTION. REDUCE DOWNTIME. DRIVE PROFITABILITY.

Whether you are a contracted service provider or work within the industrial sector, the use of thermal imaging technology will help your company become more profitable.

- Carry out status-oriented service work and prevent downtime.
- Complete jobs like leakage detection or tests on plant/building sections more quickly.
- Overcome the limitations of a pyrometer by measuring whole surfaces, not just individual points.
- Build customer trust with visual proof and professional documentation.
- Expand your service offering and enhance your professional appearance.

RIDGID® THERMAL IMAGER LINE

	RT-3	RT-5x	RT-7x	RT-9x
Infrared resolution	160×120 pixels (with SuperResolution 320×240 pixels)	160×120 pixels (with SuperResolution 320×240 pixels)	240×180 pixels (with SuperResolution 480×360 pixels)	320×240 pixels (with SuperResolution 640×480 pixels)
Thermal sensitivity (NETD)	< 120 mK	< 100 mK	< 90 mK	< 60 mK
Measuring range	-20° to +280° C	-30° to +650° C	-30° to +650° C	-30° to +650° C
Field Of View (FOV)	31° x 23°	31° x 23°	35° x 26°	42° x 30°
Wi-Fi / App enabled	—	✓	✓	✓
Integrated visual camera	—	✓	✓	✓
ScaleAssist	✓	✓	✓	✓
ε -Assist	—	✓	✓	✓