A FEW PRACTICAL BENEFITS:

Fully radiometric IR camera, manufactured in the EU

Real-time measurement and real-time image display ensure clear thermal images of high quality

Precise temperature measurement in the entire picture

High thermal sensitivity

Brilliant 5-inch touchscreen colour display

8 megapixel digital camera for razor-sharp real images

Integrated LED photo lamp

Robust, shock-protected design in two-component construction with IP54 type of protection

Diverse measuring functions

Wireless WLAN data transfer or transmission via USB or bluetooth

Android-based operating system

Including an additional app for quick and easy thermal image analysis with report generating function

Simple handling

High-quality analysis software included in the scope of delivery (download)

Tablet plus thermal imaging camera – the perfect combination !

AC080V

Made in EU

- Real-time thermal imaging camera with advanced 19 kilopixel detector (AC060V 6.4 kilopixels)
- Capacitive 5-inch touchscreen
- 8 megapixel real image camera
- USB, WLAN, GPS and Bluetooth integrated
- Wireless internet connection
- Recording of IR videos

Finally one software for basically all measuring devices:

MultiMeasure Studio Professional

Along with the ever-growing number of fully compatible Trotec measuring devices this software is also suited for use with the partially compatible AC series – you can even benefit from this software in case of isolated devices, for it enables the analysis and administration of all measuring projects and customer data across multiple devices in a single application!

Create professional measurement reports in next to no time!

The unique report generating function of MultiMeasure Studio Professional already comes with completely formulated boilerplate texts for the fields of building diagnostics, moisture measurement, leak detection and thermography.
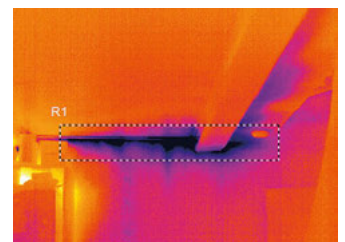
More information can be found starting on catalogue page 48 …

Extremely clever: The AC series unites advanced thermal imaging camera functions with many additional possible applications in an ultra-compact tablet design

The AC series redefines mobile temperature measurement. In contrast to single-point pyrometers or pistol-shaped thermal imaging cameras with mini detector, these thermography tablets come with up to 19,200 fully radiometric, independent temperature measuring points, which capture even the smallest temperature changes in real time.

Numerous measuring functions for evaluation and analysis are integrated directly in the device, e.g. automatic temperature tracking, isotherm, sector analysis or temperature alarm.
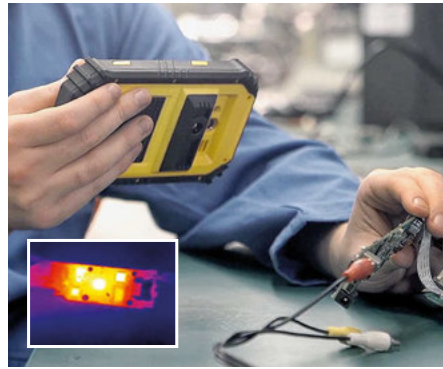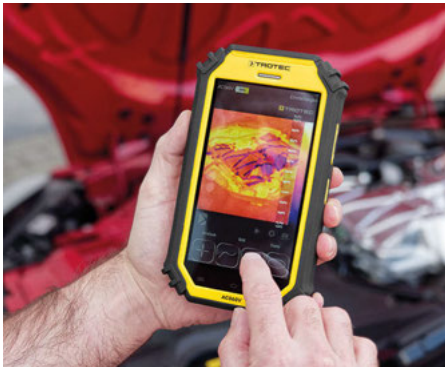
In addition to thermal images you can not only take photos in 8-Mpx resolution, but also record complete infrared videos, transfer them wirelessly via WLAN to your PC or share them via the internet. Moreover, owing to an integrated GPS, position information can be recorded any time.

Whether for inspecting electrical installations, building diagnostics or preventive maintenance – the thermal imaging camera tablets of the AC series are ideal all-in-one temperature measuring devices for a quick and non-destructive detection of problematic areas.

TEMPERATURE

Trotec

Temperature

Multi-function

Climate

Moisture

Data loggers

Software

Emission

Air Flow

Optical inspection

Leak detection

Tracing and detection

Planning and survey

Multifunctional thermal imaging camera tablets for manifold fields of application

Technical data		AC060V	AC080V
Article no.		3.110.003.030	3.110.003.031
Measurement	Temperature range	-20 °C to +160 °C	-20 °C to +350 °C
	Accuracy	± 2 °C, ± 2 % of the measured value	± 2 °C, ± 2 % of the measured value
Radiometric image performance	Detector type	Focal Plane Array (FPA), uncooled microbolometer	Focal Plane Array (FPA), uncooled microbolometer
	Detector resolution	80 x 80 pixels	160 x 120 pixels
	Spectral range	8 to 14 µm	8 to 14 µm
	Field of vision (FOV)	21° x 21°	21° x 28°
	Geometric resolution	4.1 mrad	3 mrad
	Thermal sensitivity	≤ 0.1 °C at 30 °C	≤ 0.08 °C at 30 °C
	Image repetition frequency	50 Hz	25 Hz
	Focus / min. focus distance	rigid / 0.5 m	rigid / 0.5 m
Visual image performance	Digital photo camera	8 megapixels, integrated photo lamp (LED)	8 megapixels, integrated photo lamp (LED)
Image representation	Display	5-inch LCD touchscreen, capacitive, 1,080 x 720 pixels	5-inch LCD touchscreen, capacitive, 1,080 x 720 pixels
	Image display	Pseudo colours, 6 colour palettes (IR image); 16.7 million colours (real image)	Pseudo colours, 6 colour palettes (IR image); 16.7 million colours (real image)
	Image display options	IR image, IR video, real image	IR image, IR video, real image
Measurement and analysis	Measuring spots	three dynamic temperature measuring points, variably configurable (min., max., alarm)	five movable temperature measurement points, variably configurable (min., max., alarm)
	Measuring functions	Isotherm, sector analysis (circle, rectangle), alarm function, line analysis	Isotherm, sector analysis (circle, rectangle), alarm function, line analysis
	Degree of emission	User-defined variably adjustable from 0.01 to 1.0	User-defined variably adjustable from 0.01 to 1.0
	Measurement correction	Correction of the reflected object temperature; automatic correction based on user-defined specifications for ambient temperature, distance, relative humidity	Correction of the reflected object temperature; automatic correction based on user-defined specifications for ambient temperature, distance, relative humidity
System equipment	Operating system and functions	Operating system based on Android 4.2 with integrated thermal image analysis software, report generating function, IR video player, internet browser and many others	Operating system based on Android 4.2 with integrated thermal image analysis software, report generating function, IR video player, internet browser and many others
	Interfaces	USB, WLAN, GPS, Bluetooth	USB, WLAN, GPS, Bluetooth
Data storage	Memory	16 GB of internal memory	21 GB of internal memory
	File format	Radiometric image: 14 bit JPEG; visual image: JPEG; non-radiometric thermographic video: MPEG-4	Radiometric image: 14 bit JPEG; visual image: JPEG; non-radiometric thermographic video: MPEG-4
Power supply	Battery type	Standard, lithium-ion; rechargeable	Standard, lithium-ion; rechargeable
	Operating time	≈ 2 h	≈ 2 h
Surrounding conditions and physical characteristics	Temperature	0 °C to +50 °C (operation)	0 °C to +50 °C (operation)
	Type of protection	IP54	IP54
	Shock / vibration	25G / 2G	25G / 2G
	Dimensions	170 x 102 x 37 mm	174 x 102 x 35 mm
	Weight	415 g	405 g
Scope of delivery	Standard equipment	Tablet thermal imaging camera, USB cable, standard software package (download), battery, battery charger	Tablet thermal imaging camera, USB cable, standard software package (download), battery, battery charger