

A FEW PRACTICAL BENEFITS:

Fully radiometric IR camera with 160 x 120 temperature measuring spots

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

Simple handling

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

Tablet plus thermal imaging camera – the perfect combination !



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

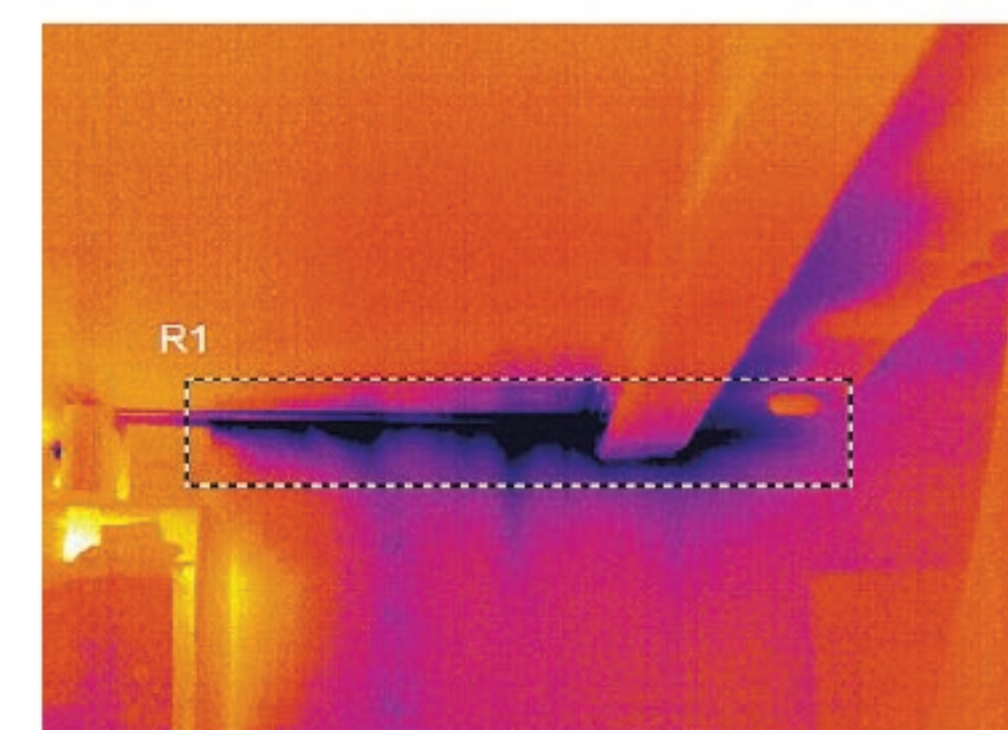


Extremely clever: The AC080V unites advanced thermal imaging camera functions with many additional possible applications in an ultra-compact tablet design

The AC080V redefines mobile temperature measurement. In contrast to single-point pyrometers or pistol-shaped thermal imaging cameras with mini detector, this thermography tablet comes with more than 19,200 fully radiometric, independent temperature measuring spots, which capture even the smallest temperature changes in real time.

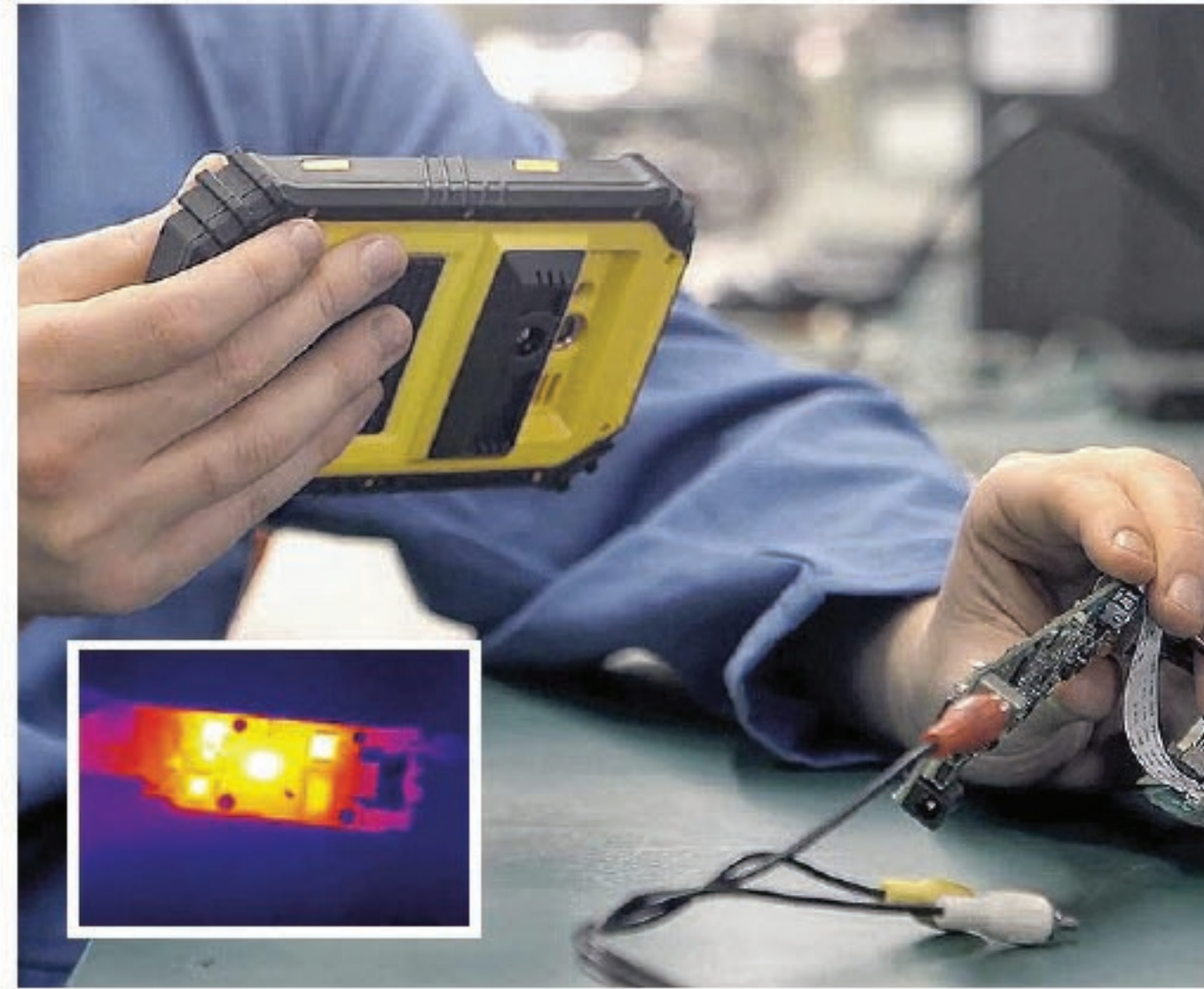
Numerous measuring functions for evaluation and analysis are integrated directly in the device, e.g. automatic temperature tracking, isotherm, sector analysis or temperature alarm.

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 new thermal imaging camera tablet AC080V is the ideal all-in-one temperature measuring device for a quick and non-destructive detection of problematic areas.



AC080V – multifunctional thermal imaging camera tablet for manifold fields of application

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