

InfraLytic UV-Mini for your Oil Film Sensor new generation NG3

InfraLytic UV-Mini for oil layer thickness measurement on complex or 3D components



The InfraLytic UV-Mini is an additional measuring device for the InfraLytic hand-held device NG3. We designed the UV-Mini especially for measuring the oil layer thickness on metallic surfaces - for complex, deformed or stamped 3D components.

The UV-Mini is specially calibrated for each measuring task directly by the customer via the NG3.

The technical data of the UV-Mini measuring device correspond therefore to the InfraLytic NG3 oil layer thickness sensor.

Operation

A smartphone or tablet / notebook with the Android operating system (at least version 6) is required for calibration, operation and display. You can find the software as a free InfraLytic-App in the Google Playstore.

The connection between the NG3 and the UV-Mini is established automatically via the bluetooth interfaces of the devices.



UV-Mini in use on angled steel surface

The UV-Mini is connected to the Android device using the data cable included in the scope of delivery. Corresponding adaptors are available for the different USB ports.

The calibration is menu-guided and takes about 2 minutes.

Then, if necessary, the measured values or measurement data sets are documented with images and comments in the menu and can be shared using the android sharing function, e.g. by email.

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Principle

The functional principle is based on the determination of the fluorescence. This makes use of the property that oils and other organic materials, in contrast to metals, emit visible radiation after being stimulated with a defined wavelength in the UV range. The intensity of this radiation depends on the amount of the excited lubricant. Unfortunately this effect varies strongly for different oils. Therefore the UV-device needs to be cross calibrated by the proven and oil insensitive IR-sensor NG3.

Do you have any questions?

We are happy to advise you.

