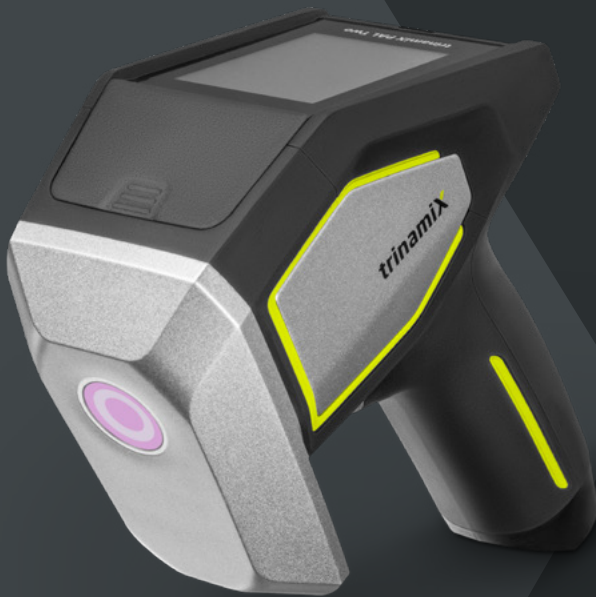


trinamiX

A brand of
BASF – We create chemistry

Better decisions with trinamiX

trinamiX PAL Two: Our next-generation NIR spectrometer



trinamiX PAL Two
mobile NIR Spectrometer

Guide
App

trinamiX Mobile NIR Spectroscopy Solutions

trinamiX offers innovative hardware with intuitive software, ready-to-use applications and a powerful ecosystem for enhanced decision making.

Versatile

Broad applicability range
across industries

- ✓ Versatile due to wide wavelength range (1,300 nm – 2,350 nm).
- ✓ Optimal performance for inhomogeneous samples with high moisture levels.
- ✓ High signal-to-noise ratio enabling a measurement accuracy that comes close to the performance of benchtop solutions.

Robust

Reliable performance
in any condition

- ✓ Rugged handheld device with durable housing for heavy-duty indoor and outdoor use.
- ✓ IP65 dust-and waterproof.
- ✓ Robust grating optics in combination with in-house developed line-array detector.
- ✓ No moving parts.

Convenient

Lightweight comfort
in one hand

- ✓ Ergonomic design resembling a scanner that fits comfortably into the user's hand.
- ✓ Intuitive setup for single-handed operation for easy handling of device and sample.
- ✓ Display on spectrometer shows immediate results of sample measurement.
- ✓ Lightweight at 700 grams.

Empowering on-the-spot decision making across industries

trinamiX makes the Invisible Visible

1 Point trinamiX PAL Two to object and press the button. Near-Infrared light is sent to and reflected by the measured material.

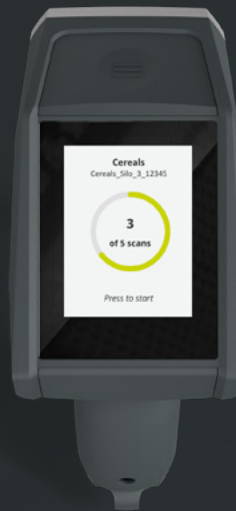
2 Within seconds, results are shown on the display of trinamiX PAL Two and in the Smartphone App. Additional information becomes available for further evaluation in our Customer Portal.



3 Each material has a unique spectrum of wavelengths that is reflected. Chemometric models analyze the spectrum of the reflection and clearly identify the material.

About trinamiX PAL Two

- Battery capacity: up to 5,000 scans
- Time to recharge battery from 0% to 95%: 3 hours
- Android & iOS intuitive Guide app
- Wireless connection to smart device via *Bluetooth®* and customer portal via internet
- Direct results on display and smartphone
- Customer portal for more insights
- Data stored in MS Azure cloud provided by BASF SE
- Data transfer end-to-end encrypted (SSL and AES 256)



Our software guides you through the measurement process displayed on the spectrometer, providing instant results.



For more information
visit our website.

Contact us

E info@trinamix.de

W trinamiXsensing.com