



senseen
By EGM

Senseen NIR-1700 portable scanner

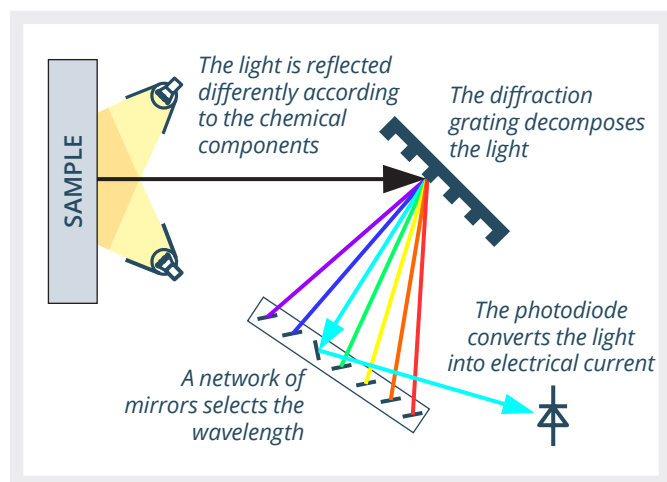
Analysis of substances by Near Infra Red Spectrometry (NIR)

- Measurement by light reflection
- Compact, portable and easy to use
- Numerous uses according to advanced interpretation of the reflected light spectrum
- Ideal for field measurements in industries such as agriculture, food, etc.



Operating principle

The Senseen scanner uses Texas Instrument's DLP (Digital Light Processing) technology in combination with an InGaAs photodiode receiver for a low noise spectrometer that has a wide dynamic range of operation.



Calibration

All instruments are factory calibrated using the SRM-2036 standard for wavelength calibration and a Spectralon white standard for photometric calibration.

Specifications

Spectral band	900 -1700 nm
Operating distance	<2mm
Spectral resolution	10nm
Accuracy	± 2nm
Input slot	25µm
Signal to noise ratio	> 5000
Usable pixels	583
Time per scan	< 1sec
Detector	InGaAs, 1mm diameter
A/D converter	24 bits/30khz
Light source	Tungstène-Halogène
Operating temperature	50-104 °F
Dimensions	197mm x 120mm x 47mm
Weight	352g
Battery	4500mA
Power source	5V, 500mA with USB

