

# NIREx

The Integrated NIR solution for Fast and Accurate Analysis



- All kind of Solid and Semisolid Samples
- Measurement in 20"
- Low maintenance
- In Build Industrial PC
- Touch Screen
- Industrial & Robust design
- 3 years of warranty (NIR unit)

The NIREx is part of the New Generation of NIR devices from TecnoCientífica.

It was designed with the last CCD InGaAs full simultaneous spectral detection technology. This integrated device is the solution for those industries that need to handle a large variety of samples and products. Strong, Fast and Robust is ideal for Quality and Process control.

**Products:**

Whole grains, meals, dairy products, flours, animal feed, bakery and much more

**Constituents:**

Moisture, Protein, Oil Fat (standard model). Also fiber, starch, sugar (with extended WL range model)





**Prepare the sample into the cup**



**Insert Sample Cup**



**Get Results in 20 segundos**

**Spectral Acquisition:** by reflectance

**Sample Processing:** without contact

**Products:** Solids and Semisolids in General

**Sample preparation:** minimum - ground when is needed

**Light Source:** Tungsten– Halogen (6 watts) - 10000 hs of lifetime

**Measurement Time:** about 20 seconds

**Detector:** InGaAs CCD (512 or 256 pixels)

**NIR Temperature Stabilization:** Special TEC-NIR control(-24 °C +/- 0.1 °C)

**Spectral Range (in nm):** 900 to 1700 (512) - 900 to 2100(256) - 1100 to 1900(512)

**Spectral Resolution:** ~ 4 nm

**Reference Material:** Spectralon

**Dark Signal:** Light Shutter– fully automatic

**Communication:** Serial / USB / Ethernet (RJ45) / VGA

**Operation Software:** Integrated

**Screen:** 12" Industrial Touch Screen

**Sample ID:** Alphanumeric

**Historic Data:** Database Exportable to Excel

**Security:** User Levels managed by password

**Product Memory:** No limits

**Possible Analytical Adjustments:** Slope – Bias – Moisture Basis Correction

**Operation Temperature:** 5 a 45 °C

**Operation Humidity :** < 85%

**Voltage :** 100 – 240 V, 50-60 Hz – automatic

**Size:** Length 450 mm – Height 270 mm – Width 285 mm

**Weight:** 20 kg



**Tecno Científica®**  
QUALITY AND PROCESS CONTROL

Vidal 2802 – C1428CSV - Buenos Aires - Argentina  
Phone / Fax (54 11) 4116 9006  
[info@tecnocientifica.com](mailto:info@tecnocientifica.com)  
[www.tecnocientifica.com](http://www.tecnocientifica.com)