

DIRECT SIGHT NIR SPECTROGRAPH

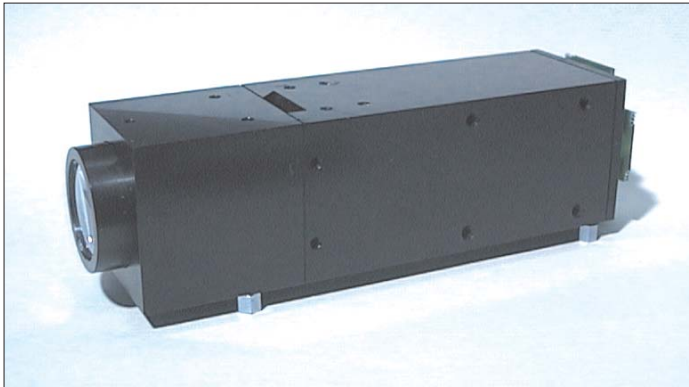


Figure 1. Direct sight spectrograph working in 1800-2450 nm.

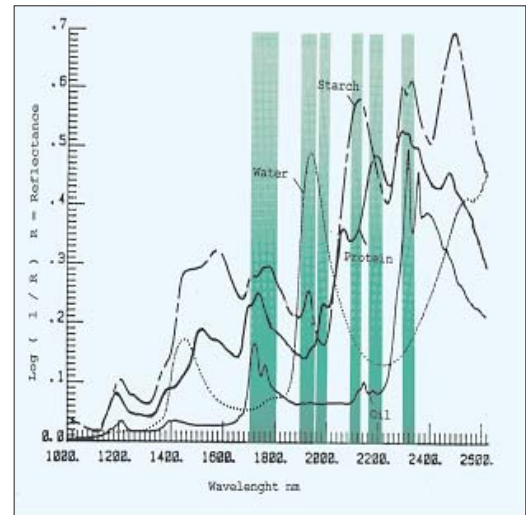


Figure 2. Spectrograph equipped with six element PbS array producing six specific NIR bands for a chemical analysis.

- Equipped with a custom PbS linear detector array with six elements in locations corresponding to an application specific set of wavebands (Figure 2)
- 20 nm spectral resolution with 100 micron slit
- Aperture F/2
- Imaging optics allows using high aspect ratio detector elements for maximum light collection
- Size 40 x 40 x 142 mm