

ATR-IR (Attenuated Total Internal Reflectance)



**Description:** ATR-IR (Attenuated Total Internal Reflectance) module is a single Reflection module which allows the direct measurement of samples for FTIR. The method involves pressing the sample against a high refractive-index prism and measuring the infrared spectrum using infrared light that is totally internally reflected in the prism. The QATR-S is a single-reflection ATR measurement attachment. The prism is made of diamond, so the measurement wavenumber range is up to 400 cm-1 (wide-band). With a liquid sample, simply place a drop on the prism to measure spectra. For other samples, clamp the sample closely against the prism surface before measurement on the sample surface

## **Major Specifications**:

Spectral Range: 400-4700 Cm<sup>-1</sup> Resolution: 2 Cm<sup>-1</sup> Sample Required: 10-50 mg (Solid), 1-3ml (Liquid) Light Source: Thermal Source Detector: IRSpirit-L model: LiTaO3 detector