

**ACCESSORY FOR ATTENUATED TOTAL INTERNAL REFLECTANCE (ATR)
SPECTROSCOPY**

ABSTRACT

An accessory for use with a microscope arranged to carry out ATR measurements has a support (40) which can be mounted on the moveable stage of the microscope. A mounting (100) for an ATR crystal (106) is carried on the support. A sample supporting member (60) is disposed below the location of the ATR crystal. The sample supporting member (60) has a relatively thin upper wall (64). A pressure applying mechanism (80) is located below the wall (64) and is operable to apply pressure to a sample through the wall (64) to ensure good contact between a sample and the sample contacting surface of the crystal.

Figure 4