



## ATR Validation Standard

### ATR Equipment Validation

For measurements in regulated industries, ATR accessories need to be validated periodically. The Middleton Research ATR Validation Standards serve to test the functioning and reproducibility of ATR accessories and systems, without contaminating the ATR crystal surface.

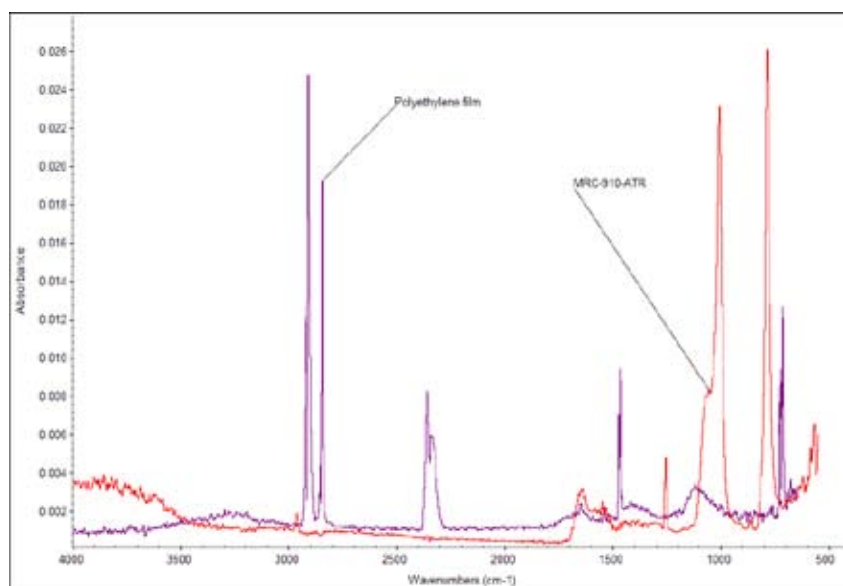
ATR accessories can be tested periodically using the ATR Validation Standard. The material of the Standard is rugged and flexible, thus the ATR element does not leave an imprint on the Standard. Other materials used to test ATR accessories, such as polyethylene are compressed and destroyed during the testing, whereas the MRC-910-ATR can be used repeatedly over a long period of time.

Functional performance testing of the ATR can be done with the Standard without the need to clean the crystals with solvents.

The reproducibility of the ATR measurements is excellent as shown on the chart below.



*ATR accessory pressed at functional pressure on ATR Validation Standard.*



*Calculated standard deviation of 10 consecutive ATR measurement with repositioning the samples.*

### Specifications and Ordering Information

MRC-910-ATR

ATR Validation Standard, complete with wood case and user guide

MRC-910-ATR-V

ATR Validation Standard with validation package, complete with wood case, user guide and validation package