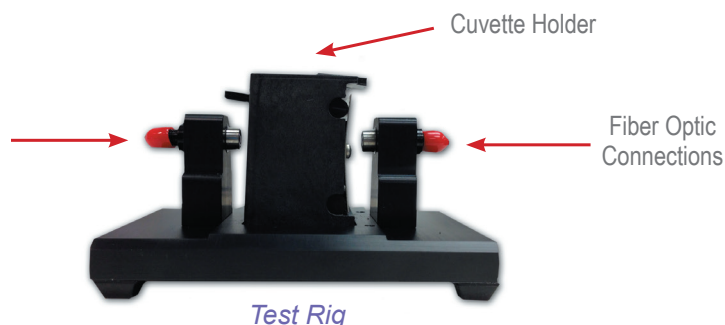


UV/VIS/NIR Photometer Test Rig

The PendoTECH Photometer Test Rig and Standards (SPEC280-TRS) is a valuable accessory to the PendoTECH SPEC L and P product lines. The test rig holds cuvettes containing NIST traceable filters. The absorbance of each filter vs wavelength has been determined on a qualified spectrometer. Attaching the PendoTECH photometer to the test rig and then installing the filters allows users to compare the absorbance vs wavelength of the PendoTECH photometer to the qualified spectrometer.

Filters are included for 4 approximate absorbance values: 0.5, 1.0, 1.6 and 2.0 AU. The exact absorbance vs wavelength is provided for each cuvette/filter standard as determined on the qualified spectrometer. The wavelength range covered is from 220 nm to 1020 nm.



Set of Cuvette Standards

To use the test rig, fiber optic cables supplied with the PendoTECH SPEC L and P photometers are attached to the photometer and to the cuvette holder, in both cases thru the standard SMA 905 fittings. The cuvette/filters are placed in the cuvette holder and held securely in place with a band clamping device that gently applies pressure to ensure consistent positioning. Starting with the blank cuvette (no filter, 0 absorbance) which is tared to 0 AU, the remaining filters are inserted in the holder. The output from the photometer is recorded for each filter and compared to the value of the filter measured on the qualified spectrometer. In addition to the blank cuvette, standards of the following approximate values are supplied, all in AU: 0.5, 1.0, 1.6, and 2.0.

The following handling and use techniques are suggested:

- Store the holder with blank cuvette installed
- Keep the windows clean on the cuvette filters. Either blow off with compressed air or use spectroscopic grade alcohol and lint free cloth for cleaning
- Ensure transmitter is fully tared by holding tare for at least 5 seconds



Test Rig Connection to Photometer

Ordering Information

SPEC280-TRS	Test rig and standards for PendoTECH UV-VIS-NIR photometers with UV Cuvette holder with integral optical couplers (to attach fiber optic cable) and 4 UV filter standards with certificates for each
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For warranty information see our website at <http://www.pendotech.com/warranty>