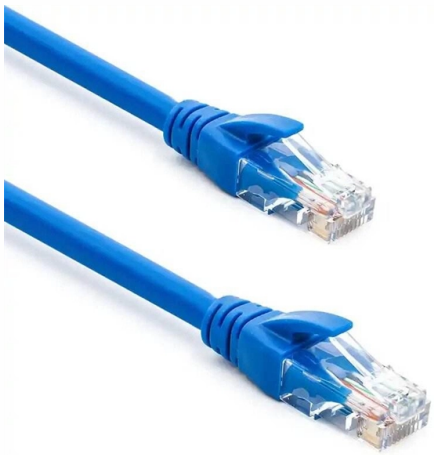
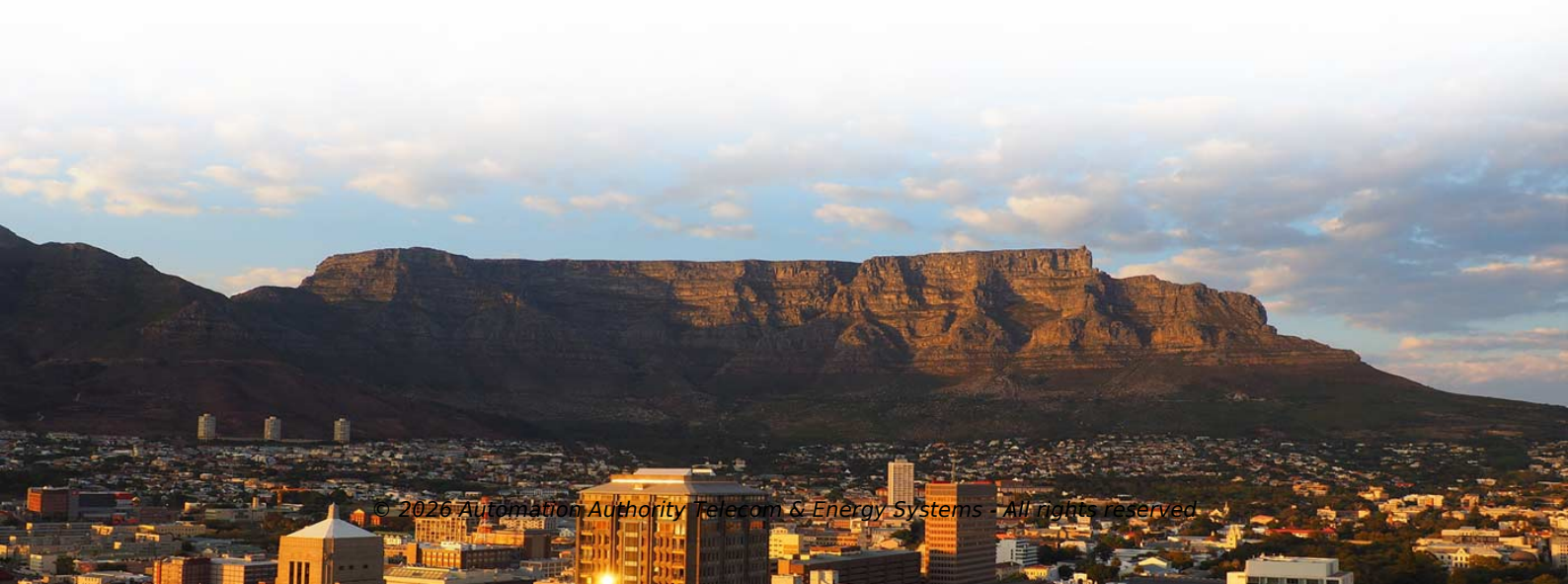
Inaccurate light measurement by optical power meter



Overview

The basic process is straightforward: turn the meter on, set it to the correct wavelength, clean your connectors, plug in, and read the display. But getting accurate, meaningful results depends on understanding a few key details about wavelength settings, reference levels . An optical power meter (OPM) is a device used to measure the power in an optical signal. Other general purpose light power measuring devices are usually called radiometers, photometers, laser power. Total measurement error is the sum of all possible sources of error, with detector or meter uncertainty being one of multiple sources of error in the measurement. Due to the fact that this capability largely depends on the quality of the calibration process, it is important to carefully select your calibration provider. To augment the absolute power measurements NIST provides nonlinearity, spectral responsivity, and uniformity measurements.



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