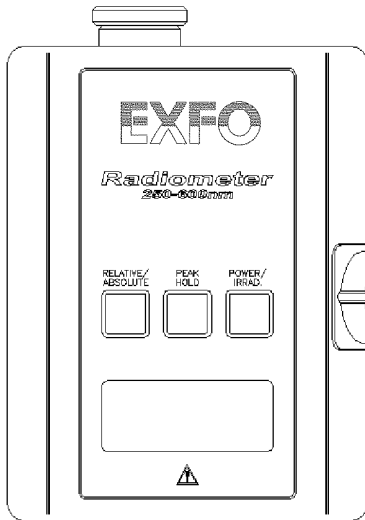




The EXFO Radiometer

Introducing a revolutionary new radiometer with versatility, precision and portability! The new EXFO Radiometer combines more functionality and features than any other portable radiometer in it's class. With a proprietary detector system for accurate bandwidth measurements between 250 – 600 nm and a proprietary optical interface that virtually eliminates beam profile dependence, the new Radiometer is ideal for a variety of applications. Features include auto-ranging, relative mode, real time mode, peak hold mode as well as externally exchangeable filters.

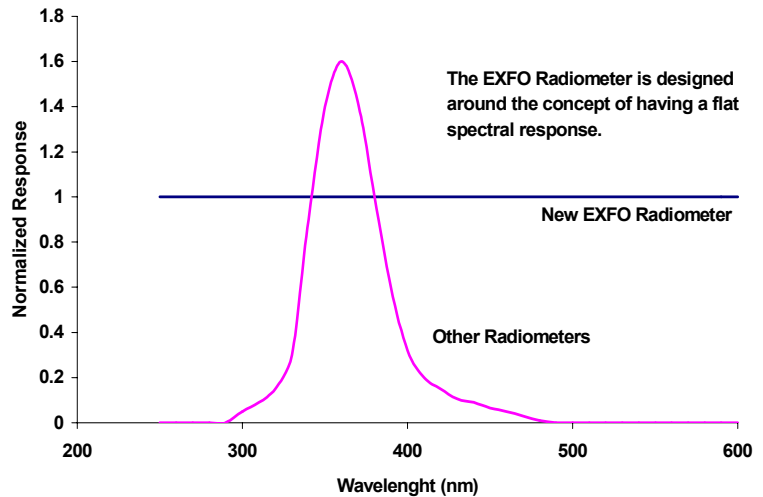


The new EXFO Radiometer maintains accuracy where other radiometers fail. The EXFO Radiometer drastically reduces the measurement inaccuracies caused by filter transmission limitations and the effects of measurement geometry found in other radiometers. Other radiometers typically show irradiance differences that range from – 55% to + 95% of the EXFO Radiometer. (see chart below).

EXFO Radiometer Vs Other Meters Comparison Chart

<u>Optional Filters</u>	<u>EXFO Part #</u>
250 – 450 nm	019-01029
320 – 500 nm	019-01032
365 nm	019-01028
320 – 390 nm	019-01031
400 – 500 nm	019-01030

The proprietary detector system in the new EXFO Radiometer enables accurate measurements for the total output power of the source. The meter takes into consideration light at every wavelength to produce accurate results.



CALIBRATION:

The New EXFO Radiometer

- 250-600 nm spectrum range
- +/- 5% over 250-600 nm (typical)

Other Meters

- Limited spectral range
- Up to 60% over compensation for narrow spectral range

The EXFO Radiometer demonstrates unmatched accuracy against any commercially available meter for measurements over the 250-600 nm bandwidth range with 3, 5, and 8 mm industry standard light guides.

OUTPUT COMPARISON CHART

<i>Light Guide</i>	8 mm		5 mm		3 mm	
	EXFO	Other	EXFO	Other	EXFO	Other
320-390 nm	100%	135%	100%	110%	100%	88%
320-500 nm	100%	70%	100%	54%	100%	45%
365 nm	100%	195%	100%	168%	100%	125%

Light Guide:

The New EXFO Radiometer

- Independent of light guide diameter

Other Meters

- Up to 35% variation between light guide diameters

Geometry:

The New EXFO Radiometer

- Not affected by orientation of light guide

Other Meters

- Up to 25% variation with bent light guide

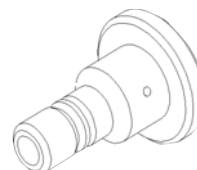
The EXFO Radiometer accurately measures power or irradiance over the full 250 – 600 nm bandwidth and therefore boasts an unmatched functionality. Applications from manufacturing and assembly process control to general radiometry in biomedical and illumination benefit from the flexibility, accuracy, precision, control and repeatability of the EXFO Radiometer.

EXFO Radiometer Adapters

In addition to the various features of the new EXFO Radiometer, optical accessories provide solutions to a wide range of situations.

Proximity Measurement Adapter (Standard)

The Proximity Measurement Adapter allows the user to obtain accurate application specific power or irradiance measurements in a flood geometry. Measurements are done by placing the emitting end of the light directly over top of the Proximity Adapter inserted into the new EXFO Radiometer. Provided there is a minimum of 50 mW entering the adapter, the Radiometer will automatically turn on.



Proximity Measurement Adapter
EXFO Part # 019-01034

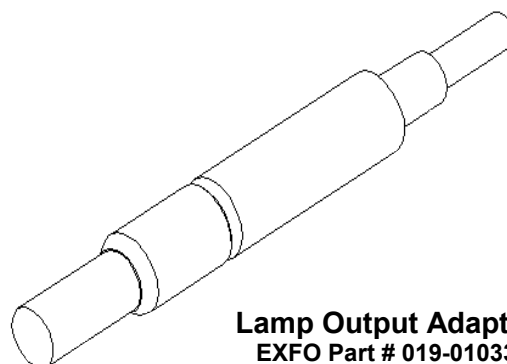
Lamp Output Adapter (Optional)

The Lamp Output Adapter enables accurate light power or irradiance measurement directly from the light source.

The adapter provides:

- Broader spectral transmission
- Less transmission degradation over time
- Method of testing degradation of a light guide

The Lamp Output Adapter consistently couples the light source to the new EXFO Radiometer. The Radiometer collects all light emitted from the unit via Lamp Output Adapter or light guide, allowing for a more accurate reading. The adapter will easily slide into your EXFO unit while the narrow end of the adapter fits securely into the new EXFO Radiometer.



Lamp Output Adapter
EXFO Part # 019-01033

These adapters expand the range of measurement geometries that can be accommodated. Used in measuring the output of multiple EXFO curing systems, these accessories provide solutions designed for accurate measuring across a range of user situations.