



Innovative Photonic Solutions

4910

CAUBRATOR™

Ensures the repeatability of the 4900 series

KEY FEATURES

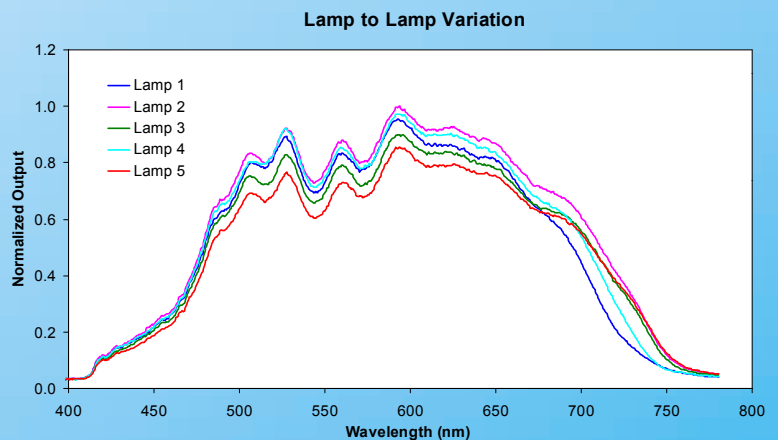
- External Photonic Reference
- Process Indicator LED's
- < 1% Variation Unit to Unit
- Rejects Inadequate Lamp
- Avoid Premature Lamp Failure
- 4900 Independent



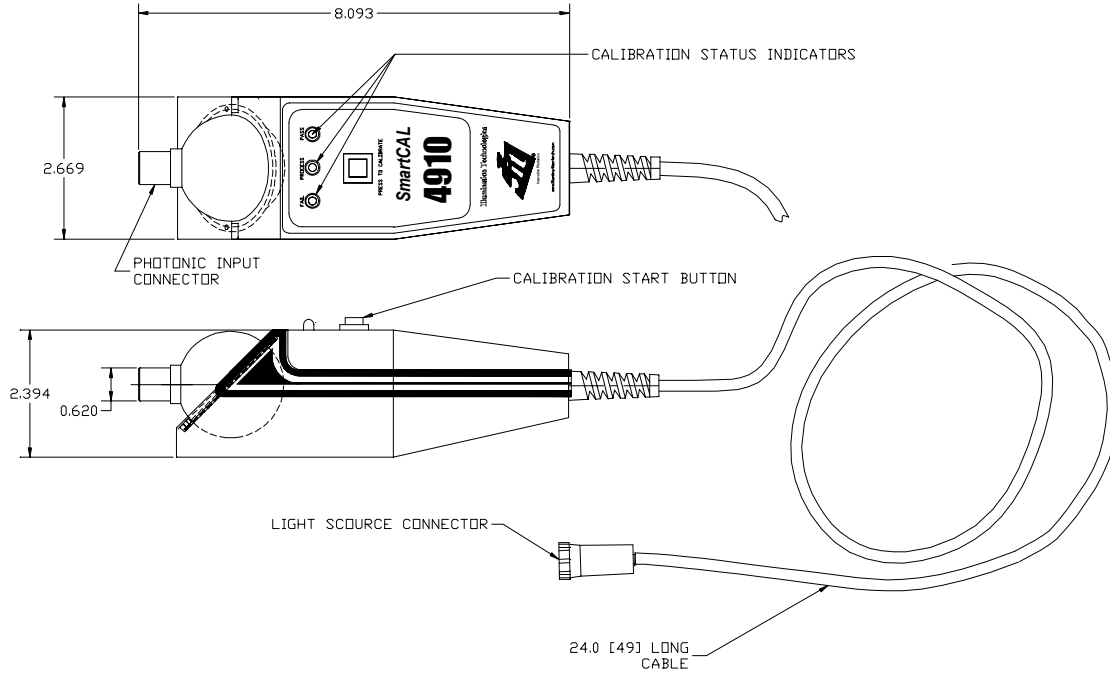
Supreme Repeatability

Have you ever asked yourself "What's the issue about inefficient lamps and lifetime? Aren't all these precision lamps computer manufactured and calibrated?" The answer is YES, but not all lamps or manufacturers are identical. Studies show that spectral characteristics and photonic output of a lamp vary, sometimes by as much as $\pm 20\%$. This causes potential problems after every relamp, meaning that lamp lifetimes vary by more than $\pm 60\%$ causing real maintenance headaches.

Illumination Technologies has developed new technology to combat this problem. The 4900 AutoCal™ in conjunction with the 4910 SmartCal™ will keep lamp output within +3% from lamp to lamp, while keeping all 4900's within +4% of each other. The 4910 SmartCal™ is a NIST traceable calibrator that adjusts the lamp to an optimum level, ensuring reliable performance. The 4910 is also effective in screening poor quality lamps. Some lamps do not produce the correct photonic output no matter how high you adjust the lightsource. These poor lamps typically have short lifetimes requiring additional maintenance. The 4910 keeps them out of your system altogether. With it's simple one button functionality the 4910 is a must in systems where repeatability is crucial. In systems with multiple units its only necessary to have one 4910 for any number of 4900 Lightsources.



Detail Drawing



Technical Specifications

Physical

Height: 2.39" (60.7mm)
 Width: 2.67" (67.8mm)
 Length: 8.09" (205.5mm)
 Weight: 1.0lbs (.454 kg)

Environmental

Temperature: 0 to 40C
 Relative Humidity: 0 to 95%
 Altitude Rating: 2000m (max)
 Pollution Rating: Pollution Degree 2

Electrical

No External Power Required
 3 Status Indicator LED's

Proudly Distributed By:



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