

## **IMPORTANT INFORMATION FOR CUSTOMERS USING PULSED SOURCES**

### ***Operation of the Goniometric Radiometer with Pulsed Sources***

Photon has discovered that measuring pulsed sources with the goniometric radiometer is not straightforward. Although pulsed operation is possible, there are some parameter combinations that can cause inaccurate measurements. Because of the auto-ranging of the preamplifiers in the systems, some frequencies, pulse widths, duty cycles, and power levels will work fine and others that are scarcely different will create erroneous results. InGaAs and Silicon detector systems have different responses and operating spaces, but they both can generate erroneous results under some conditions.

Pulsed operation with the Goniometric Radiometer is not the same as with continuous wave applications. Pulsed operations require that you define the actual operating space; i.e., the pulse width, frequency, and power level of your light source.

### **FOR PULSED OPERATION**

**Plases contact factory for information on using your  
Goniometric Radiometer in pulsed operation**

**support@photon-inc.com**

**or fax: 408-226-1000**

**or phone: 408-226-1000**

In addition, we recommend that you compare your results against continuous wave operation of the same devices to verify that the operating space you have chosen is valid.