



# 方全有限公司

Rapitech Enterprise Co., Ltd.

## 輻射計 Radiometer



InternationalLight  
TECHNOLOGIES

### ILT1700 輻射計 Research Radiometer Featuring USB Connectivity

With unmatched linearity over a 10 billion to 1 measurement range the ILT1700 Research Radiometer sets the standard for performance and NIST-traceable accuracy. Equipped to handle any application, the ILT1700 comes with an array of advanced features in an easy-to-use package including flash capability with selectable reverse bias, USB output, RS232C data output, selectable autorange and relative measurement modes, and multiple AC or DC power options for use in or out of the field.

#### Specifications

Measurement range	0.2 PicoAmps to 2.0 MilliAmps (Optical units will depend on sensor selection). Minimum display resolution is 0.01x10 <sup>-11</sup> Amps.
Linearity	±0.1%, ±1 digit on the top 8 decades of measurement range and ±0.2%, ±1 digit on the bottom 2 decades
Refresh rate	8 Readings/second - 4 times faster <b>NEW</b>
Power	90-130/180-240 VAC, 50-400 Hz, 8-15 VDC external or 6 internal "C" cell NiCad rechargeable batteries
Size	3.5 inches x 8.7 inches x 9.4 inches (90 mm x 220 mm x 240 mm)
Weight	5.1 pounds (2.3 kg)

#### Applications

Radiometry	Flash Photometry
Photoresist	Plant Photobiology
UV Curing	Optical Hazard
Germicidal	Solar
Phototherapy	Photostability
Photometry	Laser
LED	Low Light



#### Features & Benefit

- 10 decade measurement range
- Large array of available application specific and general purpose detectors (ORDER DETECTORS SEPARATELY)
- NIST-traceable calibration with certificate
- 0.1% linearity
- Built-in USB2.0 output **NEW**
- Built-in RS232C output
- AC or DC power (external or batteries). Built-in NiCad battery charger
- Automatic ranging, zeroing, shutoff, and relative mode (100%)



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