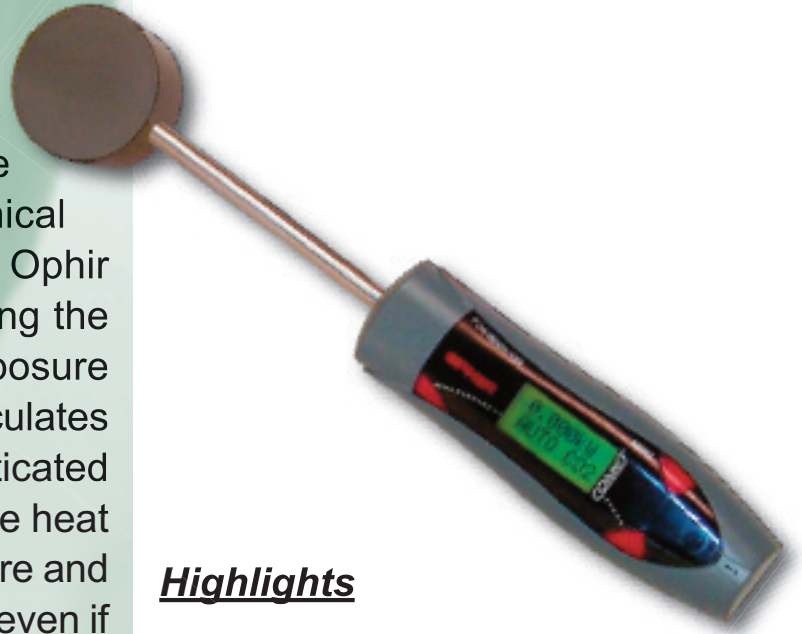


Ophir Comet 1K

Laser Power Probe

Product Description

BC Group now offers the Ophir Comet Laser Power Probe that is simple to use, economical and also highly accurate. The Ophir Comet 1K operates by measuring the heat rise from a 10 second exposure to a laser beam and thereby calculates the laser power. It has a sophisticated algorithm to take into account the heat loss due to the Comet temperature and thus can give accurate readings even if the Comet is hot before the measurement. This allows you to take several measurements before cooling the probe with water. The Comet 1K is used for measuring from 20W up to 1KW.



Highlights

- Accurate
- Simple to use
- Inexpensive
- Recommended Use: Quick power check of low-med power lasers



BC Group International, Inc.
9415 Gentry Avenue
St. Louis, MO 63125 USA
314-638-3800 or 1-888-223-6763
314-638-3200 Fax
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Specifications

Power measurement range:	20W to 1000W	
Spectral Range:	0.2-20 μm	
Absolute Calibration Accuracy at Calibrated Wavelengths:	5	
Repeatability:	1% for same initial temperature	
Linearity with Power:	2% 1W from 20W to 1KW	
Number of readings before Probe must be cooled (for 25°C starting temp):	100W	4
	300W	3
	400W	2
	1KW	1
Damage Threshold:	Power	
	100W	10KW/cm ²
	200W	8KW/cm ²
	300W	6KW/cm ²
	500W	5KW/cm ²
	1KW	4KW/cm ²
Time to reading:	Initial reading 10s after exposure, final reading 30s after exposure	
Dimensions:	Absorber: \varnothing 100mm dia x 50mm thick	
Temperature compensation:	Temperature compensated to give accurate readings independent of starting probe temperature	
Maximum permitted probe temperature:	70°C before measurement, 140°C after measurement	
Swivel mount:	Handle swivels 90° vis a vis absorber for ease of use.	
Display:	2x8 character LCD. Character height 5mm	
Operation Modules:	AUTO: Automatic measurement with laser set to 10s timed exposure. Unit senses temperature rise and measures automatically. MANUAL: User places probe in front of beam for 10s. Unit beeps to indicate start and stop measurement points.	
History:	Stores last three readings	
Calibration:	Can be recalibrated by user	
Battery:	2 x AA. Lifetime in normal use approximately 1 year	
Electromagnetic compatibility:	CE approved	

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