Systèmes Didactiques s.a.r.l.
Equipement pour l'enseignement expérimental, scientifique et technique

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Mesureur de puissance pour laser



The laser power meter is appropriate for anyone who needs to analyze and monitor laser output.
Data analysis can be achieved via statistical and trend analysis and stored in onboard flash memory.
The power meter display and meter can be positioned at many different angles so customers can place it within the limited bench space typically available in a laser lab and still easily view the display.
The power meter can be connected to either continous (4745463) or pulsed sensors (4745463).

Caractéristiques techniques :
Input Range: Thermopile, Optical and Pyroelectric Sensors
Measurement Resolution: 0.1% of full-scale
Noise, Thermopile Sensors: 500 nV (PM Model)
Noise, Optical Sensors: 4.6 pA
Noise, Pyroelectric Sensors: 20 µV
Max Repetition Rate (Hz): 10,000 sampling (1,000 Hz every pulse)
Power Sampling Rate: 10 Hz
Accuracy (Digital Meter): ±1.0% of reading
Accuracy - Analog Output: ±1.0%
Display: 112 x 78 mm backlight graphic
LCD : 480 x 320 pixels. Adjustable contrast and viewing angle
Statistical Analysis: Min., max., mean, range, standard deviation, energy dose, and stability
Trend charting: tuning, positional display, and analysis of beam stability
Computer Interface: USB and RS-232
Analog Output: 0 ... 1, 2, or 4 V DC (selectable)
Analog Output Update Rate:
Up to 1,000 Hz for pyroelectric
10 Hz for thermopile and optical sensor
Trigger: External trigger or internal trigger (2 ... 20% of full scale, selectable)
Instrument Power: 12 V DC
Battery Life: 4400 mAH Li-ion battery (without backlight)
Temperature (Operating): 5 ... 40 °C
Temperature (Storage): -20 ... 70 °C
Dimensions (H x W x D): 152 mm x 229 mm x 53 mm

Matériel livré :
90 ... 260 V AC, 50/60 Hz AC power adapter (incl.)

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