



## PM10-20D-HP-USB

| Power Mode                                                                                                                                                                        |                                                                                                                                   |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------|
| Max. Average Power                                                                                                                                                                | 10 W                                                                                                                              |
| Max. Intermittent Power (1)                                                                                                                                                       | 15 W                                                                                                                              |
| Min. Power                                                                                                                                                                        | 10 mW                                                                                                                             |
| Power Resolution                                                                                                                                                                  | 100 $\mu$ W                                                                                                                       |
| Noise Equivalent Power (NEP)                                                                                                                                                      | 500 $\mu$ W                                                                                                                       |
| Response Time (0-90%)                                                                                                                                                             | 0.8 sec                                                                                                                           |
| Power Calibration Uncertainty                                                                                                                                                     | $\pm 3\%$                                                                                                                         |
| Power Linearity (2)                                                                                                                                                               | $\pm 1\%$                                                                                                                         |
| Single Shot Energy Mode                                                                                                                                                           |                                                                                                                                   |
| Max. Energy (with 100 ms pulse)                                                                                                                                                   | 15 J                                                                                                                              |
| Min. Energy                                                                                                                                                                       | 10 mJ                                                                                                                             |
| Energy Resolution                                                                                                                                                                 | 0.1 mJ                                                                                                                            |
| Energy Calibration Uncertainty                                                                                                                                                    | $\pm 5\%$                                                                                                                         |
| Absorber Specs                                                                                                                                                                    |                                                                                                                                   |
| Aperture                                                                                                                                                                          | 12 mm                                                                                                                             |
| Type                                                                                                                                                                              | HPB                                                                                                                               |
| Absorber Spectral Range                                                                                                                                                           | 0.19 - 11 $\mu$ m                                                                                                                 |
| Calibration Spectral Range                                                                                                                                                        | 0.19 - 2.1 $\mu$ m, 2.94 $\mu$ m, 9 - 11 $\mu$ m                                                                                  |
| Max Power Density (3)                                                                                                                                                             | 18 kW/cm <sup>2</sup> @10 W                                                                                                       |
| Max Energy Density (3)                                                                                                                                                            | 5ms pulse width: 36 J/cm <sup>2</sup><br>10 $\mu$ s pulse width: 1.2 J/cm <sup>2</sup><br>10ns pulse width: 0.3 J/cm <sup>2</sup> |
| General Characteristics                                                                                                                                                           |                                                                                                                                   |
| Cooling                                                                                                                                                                           | Convection                                                                                                                        |
| Weight                                                                                                                                                                            | 0.3 kg                                                                                                                            |
| Dimension                                                                                                                                                                         | 55 x 55 x 54 mm                                                                                                                   |
| Cable lenght - connector                                                                                                                                                          | 2.5 m - USB                                                                                                                       |
| Stand and Post                                                                                                                                                                    | Light Duty Stand Included                                                                                                         |
| Notes                                                                                                                                                                             |                                                                                                                                   |
| (1). 2 minutes max<br>(2). Detector centrally irradiated @50% of useful surface.<br>(3). Damage thresholds also depend on power level. Please see damage graphs for more details. | Available with fiber adapter                                                                                                      |