

Pranalytica Laser System PoyntIR™-46 Handheld Infrared Illuminator



Parameter	Specifications ¹
Average Output Optical Power	> 20 mW for PoyntIR™-46-20 > 100 mW for PoyntIR™-46-100
Mode of Operation	150 ms "superpulses" at 2 Hz 200 ns, 500 kHz individual pulses within the superpulse ²
Wavelength	~4.6 μm ³
Beam Divergence	3.0 mrad vertical 1.8 mrad horizontal ⁴
Continuous Runtime	> 20 hrs for PoyntIR™-46-20 > 9 hrs for PoyntIR™-46-100
Charging Time	< 3 hrs.
Size	420 mm long 72 mm max. dia. (approx.) ⁶
Weight	~ 800 g ⁵

Special Features

- Complex optical pulse trains possible, available on special order.
- Smart On/Off button, functionality may be reprogrammed on special order.
- Dedicated power lockout switch for safe storage.
- Battery drain protection feature, in case the On/Off button remains pressed indefinitely.
- Smart AC charger prevents battery over-charging.

¹All specifications are for room temperature operation.

²Other pulse trains available on special order.

³9.6 μm wavelength available (Model PoyntIR™-96).

⁴May be enhanced to a virtually collimated beam with an optional built-in collimating lens.

⁵Size and weight can be reduced at the expense of run time.