

IPL – X25

IPL-system for industrial flashlight applications

- Xenon flashlight
- remote control
- exchangeable flash-heads
- up to 12 meter standoff distance
- up to 25 J/cm²
- 500nm – 1200nm



thermography · material inspection

The IPL – X25 system is an Intense Pulsed Light (IPL) system, based on Xenon flashlamps. The broadband spectrum together with adjustable flash energies up to 25 J/cm² allows different industrial applications where short high-energy pulses of VIS/NIR are required, e.g. material inspection. Easily exchangeable flash-heads and up to 12m head supply line make the device suitable for nearly every environment, including automatized processes and robotic handling. Flash heads with 10cm² or 6cm² active area are available.

Technical Datasheet

| | | |
|------------------------|---------------------------|---|
| Optical Data | lamp type | Xenon flashlamp |
| | spectrum | 500nm – 1200nm |
| | pulse energy | 5 J/cm ² – 25 J/cm ² selectable |
| | pulse form | single puls or puls train selectable |
| | pulse duration | 30ms – 50ms selectable |
| | pulse frequency | 0.5 Hz |
| Electrical Data | line voltage | 210V - 240V AC / 50 Hz |
| | power consumption | 1000VA |
| | marking | CE |
| | EMC standard | EN 55011 class B |
| | device fuse | 10A T (slow blow) |
| | degree of protection | IP20 |
| Miscellaneous | safety equipment | keylock and emergency switch |
| | dimensions (control unit) | 19" module, 6RU |
| | weight (control unit) | 25 kg |
| | operation temperature | +10°C ... +35°C |
| | storage temperature | 0°C ... +50°C |
| | cooling system | water-based, with integrated heat exchanger |
| | warm-up time | 1 min |
| | control system | microprocessor, remote control via RS-232 |

Flash Heads



Specifications

| | |
|-------------|--|
| active area | 30x20 mm ² or 50x20 mm ² |
| weight | 1.5 kg (incl. hose and coupling) |
| spectrum | 500nm ... 1200nm (variable range with filters) |
| hose length | 50cm, supply line up to 12m |

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