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 automized 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/cm² – 25 J/cm² 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
	safety equipment	keylock and emergency switch
Miscellaneous	dimensions (control unit)	19” module, 6RU
	weight (control unit)	25 kg
	operation temperature	+10℃ … +35℃
	storage temperature	0℃ … +50℃
	cooling system	water-based, with integrated heat exchanger
	warm-up time	1 min
	control system	microprocessor, remote control via RS-232

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Flash Heads

Specifications		
	active area	30x20 mm² or 50x20 mm²
	weight	1.5 kg (incl. hose and coupling)
	spectrum	500nm … 1200nm (variable range with filters)
	hose length	50cm, supply line up to 12m

sales and technical information:

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