

# SENSORS



## SmartDetect Series

- ULTRA FAST PULSE DETECTION SYSTEMS • POWER SUPERVISOR
- PEAK LEVEL DETECTION

The 1" SmartDetector photosensors are easy useable in lab or industrial environment. The detectors can be implemented in difficult mounting positions. The photodiode and the amplification stage is specially designed for the target application.

A high signal stability and quality are ensured. The sensors with the various amplifier topologies can be used for pulsed and cw applications. The sensors are available from 200nm to 2600nm.

# SmartDetect Series

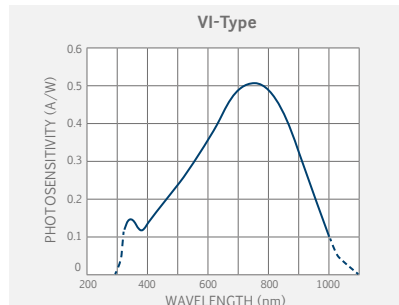
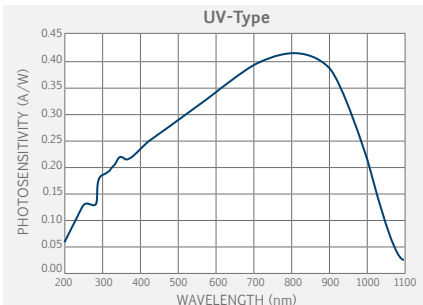
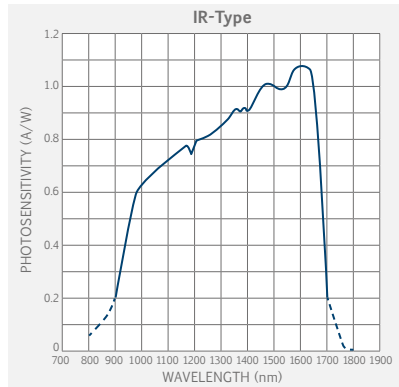
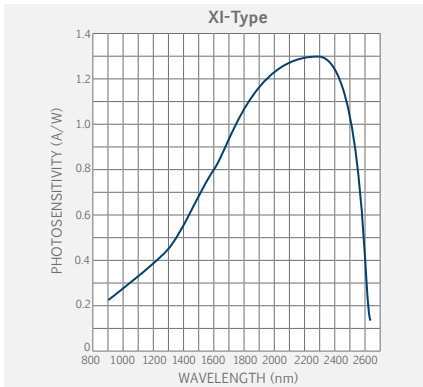
## COMMON FEATURES

- Small footprint 1" standard
- Low cost PCB-design
- 12-24Vdc wide input range
- 0-10Vdc extended output range (except T-Type)
- Variable threshold (T-Type only)
- Free beam (FB-Type) or fiber coupled (FC-Type)
- Available wavelength:
  - ~ UV: ultra-violett 200 - 400nm
  - ~ VI: visible 320-1000nm
  - ~ IR: infrared 800-1700nm
  - ~ XI: extended infrared 1 $\mu$ m - 2.6 $\mu$ m

## MODEL DIFFERENTIATION

	OUTPUT	OUTPUT BANDWIDTH	APPLICATION
T-Type	TTL-OUT	250MHz	Pulse detection
C-Type	20kV/A	200MHz	TIA
A-Type	100kV/A	10kHz	POWERMETER

Examples: SD-T-UV-FB = SmartDetect - TTL - ultra violett - free beam  
 SD-A-XI-FC = SmartDetect - AVG - extended infrared - fiber coupled



illustrations similar