

# ➤ P1-R Wireless Reflex Photocell

- The P1-R Photocell is a reflex photocell for timekeeping with built in radio transceiver that offers timekeeping precision of up to 1/1000 of a second. Both photocell and reflector can easily be mounted on tripods and are suited for most sports, for example athletics, equestrian, ski-jump or skiing.

The photocell is powered by internal batteries that last up to 24h. External power can also be supplied via the rear connector for fixed installations. P1-R can be connected both via cable to an existing timekeeping system or communicate wirelessly with the ATU-X. When P1-R is used together with the ATU-X it also automatically sends status information about battery level and alignment to the ATU-X which then can monitor all photocells on the track.

Multiple P1-Rs can be used at the same time together with the ATU-X for example as start, splits and finish line.

P1-R is easy to use. Turn it on, align it with the reflector and it is up and running.

Thanks to a wide angel of outgoing IR light it is easy to align. And it only has one knob, the power knob, that turns the photocell on and selects the beam strength.

Three color LEDs indicate when the beam is aligned and the photocell is working correctly. They can also warn when batteries are running low.



P1-R Photocell



## Technical Specification

Dimensions	140 x 80 x 40mm	Radio Frequency	2.400-2.483 Ghz
Weight	500g	Radio Range	~1km (free line of sight)
Battery	3x 1.5V Alkaline (AA)	Radio Channels	64
Battery Life	24h (at +20C)	Response IR to output	625 +- 75uS
External Power Supply	6-9V (<250mA)	Response IR to radio	0 +- 75uS
Working Temperature	+50°C to -20°C	Trigger Type	Selectable NO/NC
Range IR Beam	≤ 25 m	Output Trigger	100ms
IR-Type	7.25kHz modulated	Blocking Time	Selectable 200/2000ms