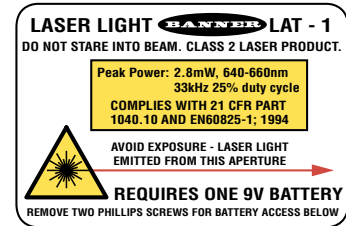


Laser Alignment Tools




- Simplifies the alignment of any emitter/receiver pair
- Available for EZ-SCREEN®, PICO-GUARD™, LT7, and 18 and 30 mm barrel sensors
- Includes a built-in bubble level
- Uses one 9-volt battery, which is included (some models)

LAT-1 Laser Alignment Tool (shown without clip)



- Accessories
- Brackets
- Cordsets
- Retroreflectors
- Miscellaneous
- Reference


Laser Alignment Tools

Used With		Supply Voltage	LAT-1 with Clip Kit	Clip w/Target*
EZ-SCREEN Grid or Points and PICO-GUARD Grids		9V battery for 20 hours of continuous use	LAT-1-HD	EZA-LAT-1
EZ-SCREEN 14 & 30 mm Resolution			LAT-1-SS	EZA-LAT-2
EZ-SCREEN LP 14 & 25 mm Resolution			LAT-1-LP	LPA-LAT-1
EZ-SCREEN Type 2			LAT-1-LS	LSA-LAT-1
EZ-SCREEN Grid or Points, PICO-GUARD Grids, EZ-SCREEN 14 & 30 mm Resolution, EZ-SCREEN LP 14 & 25 mm Resolution and EZ-SCREEN Type 2		9V battery for 20 hours of continuous use	LAT-1	-
PICO-GUARD SFP12 Safety Points			LAT-1-SFP12	SFA-LAT-12
PICO-GUARD SFP30 Safety Points			LAT-1-SFP30	SFA-LAT-30
Description	Used With	Supply Voltage	Model	
 <p>LAT-2 shown with LT7</p> <ul style="list-style-type: none"> • Allows for long distance alignment greater than 50 m • Clip-on attachment for sensor 	LT7	—	LAT-2	
 <ul style="list-style-type: none"> • Enables easy sensor alignment at long distances • Kit includes one SMB1812 bracket and M12 laser emitter (Class 2 visible red laser) • Clip-on attachment for 18 mm threaded barrel sensors 	18 mm threaded barrel sensors	10 to 30V dc	LAT1812	
 <ul style="list-style-type: none"> • Enables easy sensor alignment at long distances • Kit includes one SMB3012 bracket and M12 laser emitter (Class 2 visible red laser) • Clip-on attachment for 30 mm threaded barrel sensors 	30 mm threaded barrel sensors	10 to 30V dc	LAT3012	

* LAT-1 purchased separately.

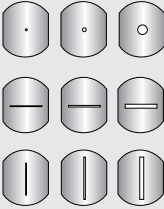
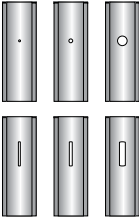
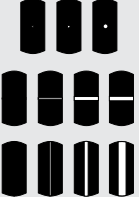
BEAM-TRACKER™ Alignment Tool

The BEAM-TRACKER is a low-cost, wireless, battery-operated, and completely self-contained photoelectric diagnostic sensor. It is a quick and simple way to evaluate photoelectric system performance. It receives light from all modulated photoelectric emitters and transmits light to receivers to check the system operation. It has a built-in frequency emitter that will be detected by any Banner photoelectric receiver, as well as by those of most other photoelectric manufacturers. It is a valuable tool for locating the center of the beam when installing long-range opposed-mode photoelectric sensor pairs and for locating sources of severe EMI and RFI noise.

	Supply Voltage	Beam	Construction	Model
	9V battery for 10 hours of continuous use	70 kHz infrared	Cyclac® T case	BT-1

Apertures and Aperture Kits

Opposed-mode sensors may be fitted with apertures which narrow or shape the effective beam of the sensor to more closely match the size of profile of the object to be sensed. A common example is the use of "line" or "slit" type aperture when wire or thread is being sensed.

Aperture Description	Units	Model	Product	Used With
Circular, 0.5 mm dia.	6	APQS18-020		QS18 Opposed-mode
Circular, 1.0 mm dia.	6	APQS18-040		
Circular, 2.5 mm dia.	6	APQS18-100		
Horizontal, slotted, 0.5 x 6.4 mm	6	APQS18-020H		
Horizontal, slotted, 1.0 x 6.4 mm	6	APQS18-040H		
Horizontal, slotted, 2.5 x 6.4 mm	6	APQS18-100H		
Vertical, slotted, 0.5 x 12.7 mm	6	APQS18-020V		
Vertical, slotted, 1.0 x 12.7 mm	6	APQS18-040V		
Vertical, slotted, 2.5 x 12.7 mm	6	APQS18-100V		
Kit with 2 of each aperture	18	APQS18-DVHX2		
Circular, 0.5 mm dia.	2	APQ20-0.5		Q20 Opposed-mode
Circular, 1 mm dia.	2	APQ20-1		
Circular, 2 mm dia.	2	APQ20-2		
Vertical, slotted, 0.5 mm	2	APQ20-0.5V		
Vertical, slotted, 1 mm	2	APQ20-1V		
Vertical, slotted, 2 mm	2	APQ20-2V		
Kit with 2 of each aperture	12	APK-Q20		
Circular, 0.5 mm dia.	20	AP31-020		MINI-BEAM Opposed-mode
Circular, 1.0 mm dia.	20	AP31-040		
Circular, 2.5 mm dia.	20	AP31-100		
Horizontal, slotted, 0.5 x 6.4 mm	20	AP31-020H		
Horizontal, slotted, 1.0 x 6.4 mm	20	AP31-040H		
Horizontal, slotted, 2.5 x 6.4 mm	20	AP31-100H		
Horizontal, slotted, 5.1 x 6.4 mm	20	AP31-200H		
Vertical, slotted, 0.5 x 12.7 mm	20	AP31-020V		
Vertical, slotted, 1.0 x 12.7 mm	20	AP31-040V		
Vertical, slotted, 2.5 x 12.7 mm	20	AP31-100V		
Vertical, slotted, 5.1 x 12.7 mm	20	AP31-200V		
Kit with 2 of each aperture	22	AP31-DVHX2		

More on next page