The Future of Industrial Sensors

Introducing the TruSense from Laser Technology (LTI). These next generation sensors offer enhanced range and accuracy capabilities, a more simplistic user interface and a smaller, compact design – all at a lower price point. It just doesn't get much better than this.

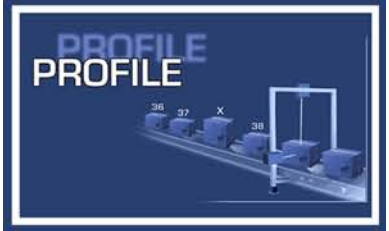
All TruSense lasers are user configurable, which means you can easily optimize its performance for your specific application. For example, you can set the measurement mode to Closest, Farthest or Strongest and quickly change the behavior of the sensor to best work in your specific environment.

Due to the new compact design, extended range and narrow beam width, the TruSense opens up so many more opportunities and applicable uses in the marketplace. Where other measurement alternatives fall short, LTI's non-contact, pulse-laser technology rises to the challenge. The superior engineering put into this sensor equates to faster pulse rates, higher accuracies, longer ranges and better target acquisitions. No other laser sensor can compare.

Whether you are a systems integrator or an end user, the TruSense product line will accommodate all your needs.

	Specifications	S100	S200
Performance	Min range	1.5ft (0.46m)	1.5ft (0.46m)
	Max range (reflective/non-reflective)	7546ft/5249ft (2300m/1600m)	see below
	low accuracy mode	n/a	9514ft/5249ft (2900m/1600m)
	medium accuracy mode	n/a	4921ft/2953ft (1500m/900m)
	high accuracy mode	n/a	2461ft/2461ft (750m/750m)
	Accuracy	+/- 3.3ft (+/- 1m)	see below
	short range mode	n/a	0.1ft (4cm)
	medium range mode	n/a	0.3ft (8cm)
	long range mode	n/a	0.5ft (15cm)
	Resolution	0.1ft (0.1m)	0.01ft (0.01m)
	Pulse repetition frequency	1000Hz	1 kHz or 4kHz
	Data output rate	1 to 6Hz depending on target integrity	15Hz
	Target modes	closest, farthest, closest farthest, strongest, first	first only, strongest only, last only, first second third, last second to last, first strongest last, first second third strongest last
	Self check	on boot up	on boot up and during operation
	Timing	from shutdown to ready=90msec, from sleep to ready=0.1msec	from shutdown to ready=90msec
Optical and Electrical	Wavelength	905nm (near IR)	905nm (near IR)
	Divergence	3mrad (equal to 1ft beam diameter@328ft or 30cm@100m)	3mrad (equal to 1ft beam diameter@328ft or 30cm@100m)
	Free aperture	0.91in (23mm)	0.91in (23mm)
	Cordset	M gender, straight, shielded, 6 pin, Turck Picofast PSG 6M-*/S90/S618 (*=cable length)	M gender, straight, shielded, 6 pin, Turck Picofast PSG 6M-*/S90/S618 (*=cable length)
	I/O	pin1=shutdown, pin2=gnd, pin3=RS232 Tx, pin4=RS232 Rx, pin5=power in, pin6=ext. trig	pin1=shutdown, pin2=gnd, pin3=RS232 Tx, pin4=RS232 Rx, pin5=power in, pin6=ext. trig
	Baud rate min/max	9600/230400	9600/230400
	Input power	6 to 11VDC (6VDC recommended)	12-24 VDC (12VDC recommended)
	Current draw	measuring=140mA, idle=50mA, sleep=30mA (@6VDC)	measuring=65mA, standby=40mA (@12VDC)
Physical	Dimensions (L x W x H)	4.11in x 3.22in x 1.64in (104.4mm x 81.7mm x 41.6mm)	4.11in x 3.22in x 1.64in (104.4mm x 81.7mm x 41.6mm)
	Package size	small	small
	Housing and frame material	glass filled polycarbonate	glass filled polycarbonate
	Weight	OEM=2.7oz (76g) Standard=4.8oz (138.6g)	4.8oz (138.6g)
Environmental	Eyesafety	Class 1, 7mm (FDA, CFR21) Class 1m (IEC 60825-1:2001)	Class 1, 7mm (FDA, CFR21) Class 1m (IEC 60825-1:2001)
	Shock/Vibration	MIL-STD-810E	MIL-STD-810E
	Moisture	IP67, NEMA 6	IP67, NEMA 6
	Operating temperature	(- 20F to 140F (- 28 C to 60 C)	(- 20F to 140F (- 28 C to 60 C)

All specifications are subject to change without notice. Rev Jan - 2010



LASER TECHNOLOGY INC
Measurably Superior®

Corporate Headquarters:
7070 S. Tucson Way, Centennial CO 80112 USA
Ph: 1.303.649.1000 | Toll Free: 877-OWN-A-LTI | E-mail: info@lasertech.com | Web: lasertech.com