



Scanning Laser Range Finder for Robotics "SOKUIKI Sensor"

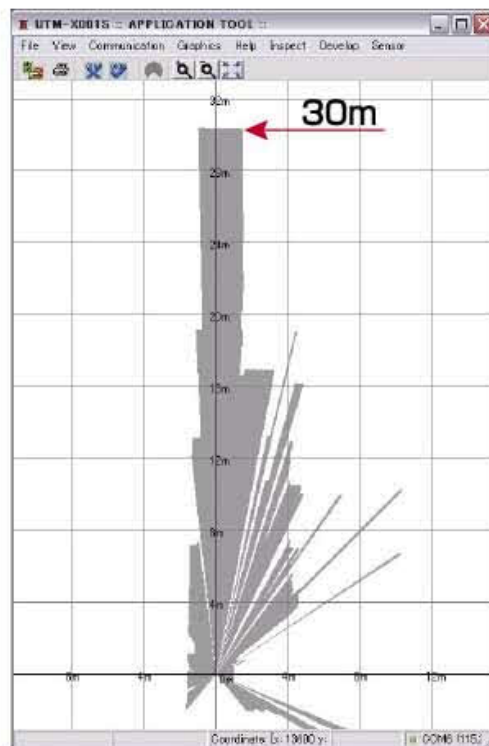
# UTM-30LX

30m

Compact II



- Long Range: 30 m
- Wide Angle: 270°
- Possible for outdoor Applications
- Compact Body: 60 x 60 x 87 mm (W x D x H)
- Light Weight: Approx.370g





## Specifications

Product name	Scanning Laser Range Finder "SOKUIKI Sensor"
Model	UTM-30LX
Power source	12VDC $\pm$ 10% (Current consumption: Max: 1A, Normal : 0.7A)
Light source	Semiconductor laser diode ( $\lambda$ =785nm), Laser safety Class 1 (FDA)
Detection Range	0.1 ~ 30m (White Square Kent Sheet 130mm or more), Max. 60m 270°
Accuracy	0.1 ~ 10m : $\pm$ 30mm under 3,000lx, White Square Kent Sheet 0.1 ~ 10m : $\pm$ 50mm under 100,000lx, White Square Kent Sheet
Angular Resolution	0.25° (360° /1,440 steps)
Scan Time	25msec/scan
Sound level	Less than 25dB
Interface	USB2.0 (Full Speed)
Synchronous output	NPN open collector
Command system	Exclusively designed command SCIP Ver.2.0
Connection	Power and Synchronous output: 2m flying lead wire USB: 2m cable with type-A connector
Ambient (Temperature/Humidity)	- 10 ~ +50°C , Less than 85%RH (without dew and frost)
Vibration Resistance	Double amplitude 1.5mm 10 ~ 55Hz, 2 hours each in X, Y and Z direction
Impact Resistance	196 m/s <sup>2</sup> , 10 times each in X, Y and Z direction
Weight	Approx. 370 g (with cable attachment)

\*This sensor is not a safety device/tool

\*This sensor is not for use in military applications



## Interface

### ●Cable 1, power and output

Color	Signal
Brown	12 VDC
Blue	0 V
Green	Synchronous output
White	GND

### ●Cable 2

Type-A (4pin) USB for communication



## External dimension

