SOKKIA

LEA Remote Mapper

Reflectorless On-Demand System

Innovative Crime Scene Technology

Accuracy and efficiency combined in one powerful instrument.

Getting accurate data is essential for a strong case. The longer it takes to compile the data, the more contaminated it may become. That's why Sokkia created the LEA Remote Mapper.

This instrument combines high accuracy with the ease of working efficiently through full remote control operation. All the operations can be performed from the prism position via remote control.

A single operator can turn the Remote Mapper toward the prism, perform auto-tracking and measure—all with a data collector and radio modem. Reflectorless measurements can be taken to any object by aiming the instrument and selecting reflectorless target mode.

With the Remote Mapper, complete and accurate data can be compiled quickly with the convenience of single-person, remote control operation. There is no waiting for a partner to drive across town or for the evidence to get contaminated.

Benefits:

- No more waiting for the total station to lock on to the prism.
- No more lost targets and unreliable tracking.
- No more accidental sighting of other reflective objects.

Package Includes:

- 640095 SRX5 LEA 5" Reflectorless Remote Total Station with RC-PR3 Compact Prism
  LEA 400 Datalogger with Pocket Zones or
  Carlson GIS Software

RED Ex tech

Bluetooth®

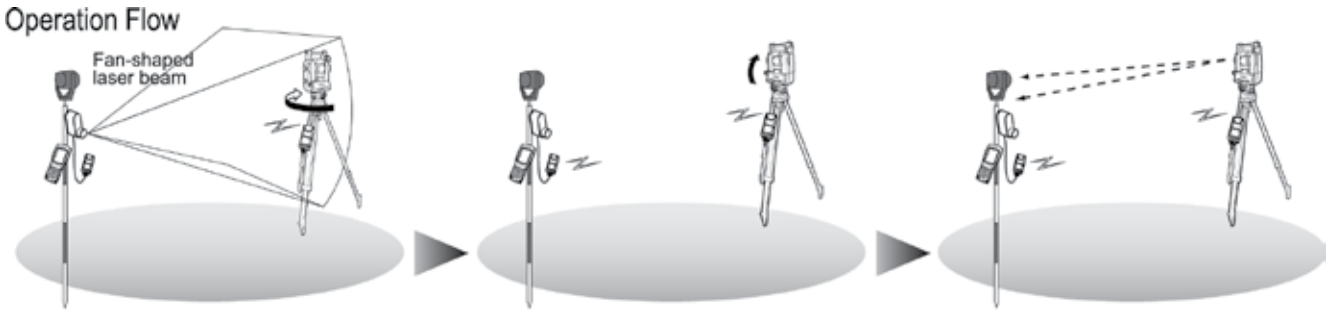
LEA Remote Mapper System

Reflectorless On-Demand Systems

Remote Mapper System Specifications

Angle Accuracy		5”
Automatic dual-axis compensator		Dual-axis liquid tilt sensor, Working range: ±4’
Measuring range	Reflectorless	0.3 to 500m (1 to 1,640ft.)
	With reflective sheet target	RS90N-K: 1.3 to 500m (4.3 to 1,640ft.)
	With ATP1 prism	1.3 to 1,000m (4.3 to 3,280ft.)
	With 1 AP prism	1.3 to 6,000m (4.3 to 19,680ft.)
	With 3 AP prisms	1.3 to 10,000m (4.3 to 32,800ft.)
Accuracy	Reflectorless / Sheet	±(3 + 2ppm x D)mm
	With prism	Fine: ±(1.5 + 2ppm x D)mm
Measuring time	Fine / Rapid / Tracking	0.9s (initial 1.6s) / 0.6s (initial: 1.3s) / 0.4s (initial 1.3s)
Operating system		Windows CE (Ver. 5.0)
Memory		64MB (more than 20MB available for data), Memory Card drive for Compact Flash card Type II
Interface		Serial and USB
Dust and water protection		IP64
Operating temperature		-20 to +50º C(-4 to +122º F)
Weight		Approx. 7.7kg (17.0lb.) with RC-TS3 handle, BDC58 internal battery and single panel.
Internal Battery		2 ea BDC58 Li-ion rechargeable battery
External Ni-MH rechargeable battery (optional)		BDC61: 7.2V, 13Ah
Continuous use per battery at 25º C (77º F)*8		BDC58: About 2 hours, BDC61: about 7 hours
Charging time		BDC58: About 4 hours, BDC61: about 7 hours

Remote Mapper Operation Flow



The Total Station begins to automatically rotate in the direction of the rod, searching for the laser beam emitted from RC controller.

Once the position of the horizontal direction has been established, the telescope then begins to rotate along the vertical axis searching for the vertical position.

As soon as both positions have been determined, the Total Station performs precise auto-pointing at the prism.

Sokkia is a sponsor of the International Federation of Surveyors

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