SOKKIA CORPORATION
16900 W. 118th Terrace
Olathe, KS 66061
Tel: (913) 492-4900
Fax: (913) 492-0188

NEWS RELEASE

12/10/2008

Announcing the Release of the LDT520, a Laser Digital Theodolite with a 600-meter Laser Range

SOKKIA releases the LDT520, a new 5" digital theodolite equipped with a telescope with laser beam emission capability. Representing a significant evolution over the previous model LDT50, the LDT520 boasts the world's longest laser range, class-topping dust and water protection, and a continuous operation time over 2.5 times that of its predecessor.

Major improvements over the previous model

1. World's longest laser range

- The LDT520 offers a 600-meter (2,000 ft.)* beam range from an easy-to-handle Class 3R laser.

2. Dust and water protection at the top of its class

- The LDT520 achieves an IP66 rating, the highest level of dust and water protection in a theodolite.
- The LDT520 is rated the highest level "6" for dust protection in the IP code specified by the IEC. The unit is shielded from fine powder-type dust.
- The unit's water protection is also rated at level "6", the highest level for a theodolite, enabling it to be used with confidence under moist underground conditions.

3. Absolute encoders

- Newly equipped with the market-proven advanced absolute encoders for higher reliability and lower power consumption.
- Provides 5" angle accuracy with resolutions of 1"/5", 0.0002/0.001 gon or 0.005/0.02 mil.

4. Longer battery life

- The LDT520 achieves a continuous operation time over 2.5 times that of the previous model, using a standard detachable battery.
- Continuous use for 12.5 hours at the maximum output of 4.5 mW and 13.5 hours at 1 mW.
- Supplied with two batteries.

5. Operable in tighter spaces

- The minimum focus of the optical plummet has been reduced from 20cm in the previous model to 15cm.
- Can be precisely set at 15cm (5.9 in.) directly above the reference point.

* World's longest range for a laser theodolite (as of October 1, 2008).

Unique feature of the SOKKIA laser digital theodolite

Emits both focused and parallel beams

- When the focused beam is used, the diameter of the beam spot is smallest at the point of focus of the telescope.
- When the parallel beam is used, the beam diameter remains constant at any distance, making the unit ideal for directional control in tunnel excavations.
- The parallel beam can be focused by simply adjusting the telescope focusing ring to the ▼ mark. No external accessories are required.

Major applications

- Directional control in tunnel excavations using NATM or Shield Machines (using a parallel beam)
- Precise alignment and positioning in construction projects (using a focused beam)

Contact your Customer Service Representative at 800-476-5542 for more information.