

Laser Digital Theodolite with 600m Range



Sokkia Topcon 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.

Other improvements over the previous model are a better protection against dust and water (IP66), absolute encoders providing 5" angle accuracy, a longer battery life (up to 12.5 hours at maximum output) and reduction of the optical plummet to 15cm instead of 20cm of the previous model.

Major applications are directional control in tunnel excavations using NATM or Shield Machines (using a parallel beam) and precise alignment and positioning in construction projects (using a focused beam).

<https://www.gim-international.com/content/article/laser-digital-theodolite-with-600m-range>
