

**CAPSY Automated Site Positioning System**

CAPSY is an acronym for Computer Aided Positioning System. It has been developed through a technical joint venture with TNO-Bouw, Delft, The Netherlands, and Spectra-Physics Laserplane of Dayton, Ohio. CAPSY is a one-operator, real-time measuring instrument that works within a reflecting target system set up around a working area. CAPSY works by triangulation to find its position within the field of randomly set retro-reflective targets. Each target is identified by a unique bar code. A laser beam mounted on the transceiver rotates in a horizontal plane and scans the retro-reflective target environment. CAPSY recognizes the specific bar code pattern being hit by the laser beam, and determines the exact angle to the center of the target with respect to an internal index. The CAPSY transceiver can be moved anywhere in the setup area to provide accurate X-Y positions or distance measurements in decimal feet, inches or meters. Readings are displayed five times per second.

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