



Leica TM6100A  
Unrivalled precision

*Leica*  
Geosystems

www.leica-geosystems.com/metrology



 **HEXAGON**  
METROLOGY



Autocollimation



Extended battery life



Piezo technology

#### **Always exceeding the standards – Leica Geosystems**

Leica Geosystems' Industrial Theodolites are known around the world for being the most accurate, with the highest angular accuracy of 0.5". These autocollimating theodolites have set the benchmark with unrivalled precision and superb optics. Now Leica Geosystems has set the standard even higher by incorporating more features and benefits into their latest theodolite. Coming soon: the Leica TM6100A Industrial Theodolite.

#### **Engineered with leading edge technology**

Leica Geosystems has redesigned the direct drive technology for the Leica TM6100A, using the same Piezo technology that is used in the Leica TDRA6000 and the Leica Absolute Tracker AT401. These new direct drives offer the stability of manual drives, the flexibility of fully automated motorized drives and still allow for sub micron level fine positioning. The fine adjustment knobs on the Leica TM6100A have been strategically repositioned to help make measuring in difficult situations easier and because there are no gears with this new

technology, the direct drives require almost no maintenance and are nearly silent.

Not only does the Leica TM6100A have a newly designed battery concept, but since the Piezo direct drive technology requires low power consumption, the battery lasts longer. Users can work more than a full day without having to charge or change the battery.

#### **Designed with the operator in mind**

Leica Geosystems has added new features to the screen and interface of the Leica TM6100A. The new color touch screen remains clearly visible at all times, allowing operators to take the theodolite to any location. The new intuitive user interface allows users to have minimal training before doing basic measurements and calibrations to the sensor. The interface offers function keys that can be set for specific procedures, six of the 12 function keys are already pre-set with the most commonly used procedures. Leica Geosystems has continued to take industrial measurement to new levels with the all new Leica TM6100A.