



## ZTS-360R Total Station

Long Ranging, Fast Measurement

### SPECIFICATIONS

#### Angle Measurement

Measurement Method.....Absolute Encoding  
Minimum Readout..... 1"/5"/10"  
(0.3mgon/1.5mgon/3mgon) adjustable  
Accuracy<sup>1</sup>..... 2"

#### Distance Measurement

Single Prism.....4000m (13,123ft.) under good condition<sup>3</sup>  
Three Prisms.....6000m (19,685ft.) under good condition<sup>3</sup>  
Reflective Sheet..... 800m (2,624 ft.)  
Accuracy.....2 mm +2ppm  
Measuring Time (Fine/ Tracking).....0.8s/0.3s

#### Distance Measurement

Reflectorless<sup>2</sup> Range.....600m  
Single Prism..... >7500m (24,606ft.)  
Accuracy..... 3mm+2ppm  
Measuring Time..... 1.5s

#### Telescope

Magnification.....30X  
Field of View..... 1°30' (2.7m at 100m)  
Minimum Focusing Distance..... 1.2m  
Reticle..... Illuminated

#### Compensator

System..... Single-axis liquid tilt sensor/Dual-axis(optional)  
Working Range..... ±3'  
Setting Accuracy.....1"

#### Communication

Bluetooth  
Interface.....Standard RS232, USB, mini-B  
Internal Data Memory..... Approx. 20,000 Points,  
default 8G USB pen drive  
Data Format..... ASCII

#### Operation

Operation system..... Real-time Operating System  
Display..... High resolution backlight black and white  
display with contrast adjustment/ Graphics.....192 x 96 pixels  
Keyboard.....2 sides Alphanumeric backlit crystal keyboard  
Trigger key.....On right instrument support

#### Laser Plummet

Type..... Laser point, 4 brightness levels  
adjustment / Optical plummet (optional)  
Centering Accuracy..... 1 mm at 1.5m instrument height

#### Power Supply

Battery Type.....Rechargeable Li-ion battery  
Voltage/Capacity.....ZBA-400: 7.4V (DC) / 3400mAh  
Operating Time With ZBA-400.....Optimal 16 hours<sup>4</sup> (Continuous  
angle measurement every 30 seconds)  
Measuring Times..... Approx. 12000 times

#### Physical

Weight (without battery).....Approx. 3.7kg (8.16lb.)  
Size.....300mm x 150mm x150mm(HxWxD)

#### Environmental

Meteorological parameter modification.....Manually(T-P  
sensor is optional)  
Operating Temperature..... -20°C ~ +50°C (-4°F to +122°F)  
Storage Temperature..... -25°C ~ +70°C (-13°F to +158°F)  
Dust&Water Proof (IEC60529 Standard)/Humidity.....IP66,  
95%, non-condensing

<sup>1</sup> Standard deviation based on ISO 17123-3.  
<sup>2</sup> Calculated by Kodak Gray Card white side (90% reflective), exact distance depends on  
measuring object, observation and environment conditions.  
<sup>3</sup> Good condition: no haze, visibility about 40km, moderate sunlight,  
<sup>4</sup> New battery at 25°C, 24 hours continuously angel measurement mode  
Descriptions and specifications are subject to change without notice

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