

ZTS-360/R

Total Station

Long Ranging, Fast Measurement

SPECIFICATIONS

Angle Measurement

Measurement Method.....Absolute Encoding
 Minimum Readout..... 1"/5"/10"
 (0.3mgon/1.5mgon/3mgon) adjustable
 Accuracy¹..... 2"

Distance Measurement (ZTS-360 with Reflector)

Single Prism..... 3000m (9,842ft.) under good condition³
 Three Prisms.....6000m (19,685ft.) under good condition³
 Reflective Sheet..... 800m (2,624 ft.)
 Accuracy..... 2 mm +2ppm
 Measuring Time (Fine/ Tracking).....0.8s/0.3s

Distance Measurement(ZTS-360R Reflectorless)

Reflectorless² Range..... 600m (1,968 ft.)
 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.....Dual-axis
 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 hours⁴ (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

¹ Standard deviation based on ISO 17123-3.

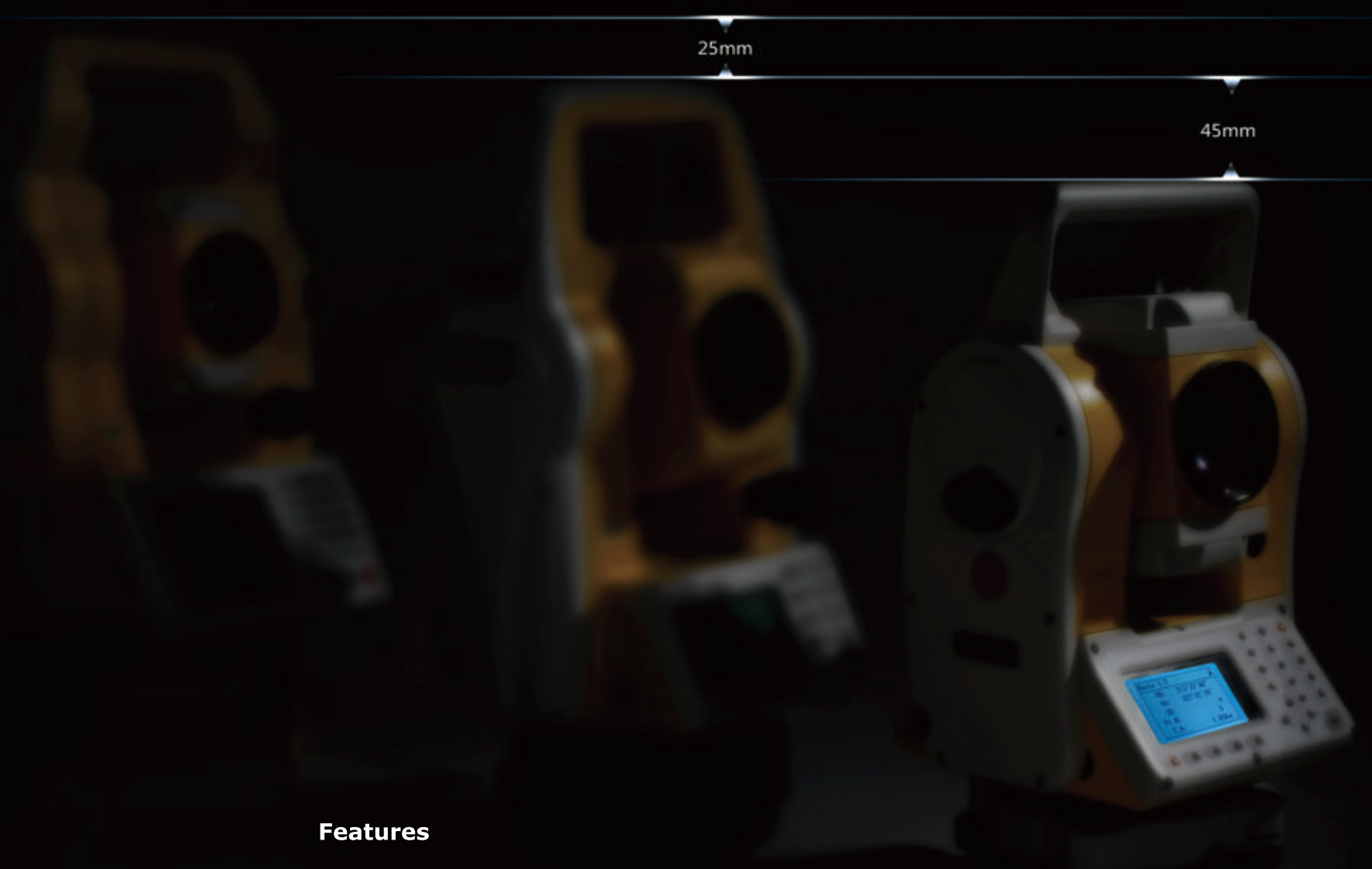
² Calculated by Kodak Gray Card white side (90% reflective), exact distance depends on measuring object, observation and environment conditions.

³ Good condition: no haze, visibility about 40km, moderate sunlight,

⁴ New battery at 25°C, 24 hours continuously angel measurement mode

Descriptions and specifications are subject to change without notice





Features

Compact, Lightweight Design

Ensuring the stability of every indicators of equipment; saving operator's physical exertion in field work.

Quick Trigger Button

By pressing it, measurement can finish quickly after targeting the object.

Powerful and Fast EDM Capability

Available to reach the target point fast where the data is inconvenient to collect.

Dust and Water Protection IP66

Continue to work even in extremely inclement environment.

Stable Dual-axis Compensation

Vivid graphic electronic bubble display ensures the high accuracy.

Upward Laser Pointing

No dead angle in upward measurement, which is significant for special application.

Intelligent Calibration Software

Accessible for real-time diagnosis to ensure trouble-free operation.

Software Compatibility

Compatible to the third party data processing software, satisfying users' requirements for different data formats.