



Electronic Theodolite

SDJ Series Electronic Theodolite

Features:

- Big and clear LCD display.
- High quality steel axis system to ensure accuracy and durability.
- Coaxial tangent and clamp screws.
- Meet international standard with easy operation
- Laser plummet and optical plummet for option.
- Equipped with absolutely encoding system.

Specification:

| Model No.: | SDJ-02 | SDJ-05 |
|-------------------------------------|--|--------|
| Electronic angle measurement method | Absolutely Encoding | |
| Minimum reading | 1"/5" | 1"/5" |
| Accuracy | 2" | 5" |
| Telescope length | 156mm | |
| Objective lens aperture | 45mm | |
| Magnification | 30X | |
| Image | Erect image | |
| Field of view | 1° 30' | |
| Minimum focus distance | 1.3m | |
| Stadia ratio | 100 | |
| Display | Double LCD display | |
| Compensator | | |
| Tilt sensor | yes | yes |
| Range | ±3' | ±3' |
| Plate level | 30"/2mm | |
| Circular level | 8'/2mm | |
| Plummet | optical plummet or laser plummet for option | |
| Magnification | 3X | |
| Focus range | 0.5m ~ ∞ | |
| Power | rechargeable batteries and 4xAA size batteries. | |
| Operating hours | about 36hours | |
| Working temperature | -20°C ~ +50°C | |
| Data output | RS232C | |
| Weight | 4.6kg | |
| Standard outfit: | main unit, 1pc rechargeable battery pack and 1pc charger, 1pc AA size battery box, dust cover, instrument manual, plastic carrying case. | |
| Optional accessory: | diagonal eyepiece. | |



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DT Series



DE Series



DT/DE Series Electronic Theodolite

Features:

- Big and clear LCD display.
- High quality steel axis system to ensure accuracy and durability.
- Coaxial tangent and clamp screws.
- DT series with laser plummet, DE series with optical plummet.
- Equipped with absolutely encoding system.

Specification:

| Model No.: | DT/DE2A | DT/DE5A | DT/DE5B |
|-------------------------------------|--|---|---------|
| Electronic angle measurement method | | Absolutely Encoding | |
| Minimum reading | 1"/5" | 1"/5" | 1"/5" |
| Accuracy | 2" | 5" | 5" |
| Telescope length | | 156mm | |
| Objective lens aperture | | 45mm | |
| Magnification | | 30X | |
| Image | | Erect image | |
| Field of view | | 1° 30' | |
| Minimum focus distance | | 1.3m | |
| Stadia ratio | | 100 | |
| Display | | Double LCD display | |
| Compensator | | | |
| Tilt sensor | yes | yes | no |
| Range | ±3' | ±3' | / |
| Plate level | | 30"/2mm | |
| Circular level | | 8'/2mm | |
| Plummet | | laser plummet / optical plummet | |
| Power | | rechargeable batteries and 4xAA size batteries. | |
| Operating hours | | about 20 hours | |
| Working temperature | | -20°C ~ +50°C | |
| Data output | | RS232C | |
| Weight | | 4.7kg | |
| Standard outfit: | main unit, 1pc rechargeable battery pack and 1pc charger, 1pc AA size battery box, dust cover, instrument manual, plastic carrying case. | | |
| Optional accessory: | diagonal eyepiece. | | |

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DZJ400 Plumb Laser

Features:

- With two sets of semiconductor laser based on optical plumbing system.
- Structure of equipment ensures coaxiality, concentricity and confocality laser axis and sight axis.
- Used in construction, project supervisor, deformation observation.
- With backlight under bubble, it is used easily under the dark or bad illumination conditions.

Specification:

Stand deviation for one observation 1/45000

Telescope

Available aperture 30mm

Zoom multiple 25X

Field of view $1^{\circ} 30'$

Minimum visual range 0.8m

Laser plummet

Minimum visual range 0.5m

Accuracy $\leq 1\text{mm}$

Laser wave length 635nm

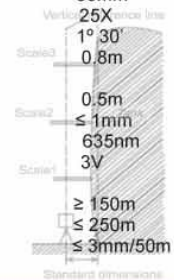
Laser power 3V

Available laser distance

Day $\geq 150\text{m}$

Night $\leq 250\text{m}$

Beam spot diameter $\leq 3\text{mm}/50\text{m}$



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