

# ELECTRONIC THEODOLITE TET100



## Brief Introduction

• TET100 is an electronic instrument mainly used for measuring both horizontal and vertical angles to high accuracy in the construction and civil engineering field. It performs the necessary operations, saving data into internal registering units, or into external data storage devices through software.

## Features

- Two sides of large and high resolution screens guarantee the clear displays
- Communication with PC and PDA
- Possibility of laser centering
- Memory extending available
- Easy and direct operation with simple function keys
- Display of data and time on screen
- Powered by the rechargeable battery
- Rugged, durable, water and dust resistant design

## Technical Specification

| ANGLE MEASUREMENT(Hz, V)         |                                      |          |
|----------------------------------|--------------------------------------|----------|
| Method                           | Incremental grating disk             |          |
| Accuracy                         | 5"                                   |          |
| Min. reading                     | 1°5'10"                              |          |
| Tilt sensor                      | Provided                             |          |
| Compensating range               | ± 3'                                 |          |
| Level parameter                  | Circular level                       | 8/2mm    |
|                                  | Plate level                          | 30" /2mm |
| TELESCOPE                        |                                      |          |
| Magnification                    | 30 ×                                 |          |
| Image                            | Erect                                |          |
| Field of view                    | 1° 30' (2.6%)                        |          |
| Min. focus                       | 1.3m                                 |          |
| Optical aperture                 | 45mm                                 |          |
| Length of sleeve                 | 155mm                                |          |
| Resolving power                  | 2.5"                                 |          |
| Stadia ratio                     | 100                                  |          |
| Stadia constant                  | 0                                    |          |
| DISPLAY                          |                                      |          |
| Screen type                      | 7-segment LCD display with backlight |          |
| Display unit                     | Double sides                         |          |
| PHYSICAL SPECIFICATIONS          |                                      |          |
| Operating time                   | 10 hours with rechargeable battery   |          |
| Operating temperature            | -20°C ~ +50°C                        |          |
| Dimension                        | 144mm × 175mm × 324mm                |          |
| Net weight                       | 5.0kg                                |          |
| OTHERS                           |                                      |          |
| Interface                        | RS232C                               |          |
| Waterproof /Dustproof protection | IP54                                 |          |

## Standard Delivery

- Main unit 1
- Software 1
- RS232 data cable 1
- Rechargeable battery 2
- Battery charger 1
- Tool kit 1
- Shoulder strap 1
- Instruction manual 1
- TIME certificate 1
- Warranty card 1

