

Electronic Digital Theodolites

# NE-103 / 102

Electronic Digital Theodolites

# NE-101 / 100

## Specifications



|   | NE-103  | NE-102 | NE-101       | NE-100                        |
|---|---|--------|--------------|-------------------------------|
| <b>Telescope</b>  |   |        |              |                               |
| Magnification   | 30x   |        |              |                               |
| Aperture  | 45mm  |        |              |                               |
| Field of view   | 1°20'   |        |              |                               |
| Shortest focus distance   | 0.7m  |        |              |                               |
| Reticle illumination  | Yes   |        |              |                               |
| <b>Angle measurement</b>  |   |        |              |                               |
| Minimum reading   | 5"/10"(1/2mgon, 0.02/0.05mil)                           |        |              | 10"·20"(2/5mgon, 0.05/0.1mil) |
| Accuracy (DIN 19723)  | 5"/1.5mgon  |        | 7"/2mgon     | 10"/3mgon                     |
| Compensator   | Liquid-electric detection ±3' (warning if out of range) | -      | -            | -                             |
| <b>Keyboard/Display</b>   |   |        |              |                               |
| Display type  | Dot-matrix LCD with 20 characters × 2 lines             |        |              |                               |
| Display illumination  | Yes   |        |              |                               |
| Keyboard/Display  | Both sides  |        | Single side  |                               |
| <b>Optical plummet</b>  |   |        |              |                               |
| Magnification   | 3x  |        | 2.2x         |                               |
| Focus range   | 0.5 to infinity   |        | Fixed (1.3m) |                               |
| Leveling base   | Detachable  |        |              |                               |
| <b>Battery</b>  |   |        |              |                               |
| Continuous operating time (manganese batteries)<br>(alkaline batteries) | 21 hours  |        | 22 hours     |                               |
|   | 47 hours  |        | 48 hours     |                               |
| Operating temperature range   | -20°C to +50°C  |        |              |                               |
| Environmental specification   | IP56  |        | IP54         |                               |