

# LATEST VERSION

## DE- SERIES DIGITAL THEODOLITE

*“ADVANCE FEATURES AT SIMPLE PRICES”*

Introducing the *VIAN* Digital Theodolite *DE-Series*, an advance solution equipped with latest technologies in the domain of engineering. The advance features of *DE-Series* is its *laser plummet & telescope laser pointer*. It comes up with the features of *dual display* and detachable tribrach. Horizontal and vertical views can be observed simultaneously on large LCD display. It includes a horizontal zero angle set, automatic power off to *conserve batteries* and battery life indicator on the LCD display. Moreover it possesses liquid electric detection system compensator and high quality focusing method.



### Other features



High angle accuracy



Excellent laser pointer



Absolute encoding reading system



Totally sealed structure for use in any weather



Standard accessories



| MODEL                                    | DE-2A                      | DE-2AL          |
|--|----------------------------|-----------------|
| <b>TELESCOPE</b>                         |                            |                 |
| Image                                    | Erect                      |                 |
| Tube length                              | 150mm                      |                 |
| Objective aperture                       | 45mm                       |                 |
| Magnification                            | 30 X                       |                 |
| Viewing angle                            | 1°20'                      |                 |
| Resolution                               | 4"                         |                 |
| Mini. Focus distance                     | 1m                         |                 |
| Stadia ratio                             | 100                        |                 |
| Stadia constant                          | 0                          |                 |
| <b>ANGLE MEASUREMENT</b>                 |                            |                 |
| Angle measurement method                 | Absolute encoding          |                 |
| Diameter of Circle(horizontal, vertical) | 79mm                       |                 |
| Min. reading displayed                   | 1",5",10", 20" Selectable  |                 |
| Accuracy                                 | 2"                         |                 |
| <b>COMPENSATOR</b>                       |                            |                 |
| System                                   | Liquid-electric detection  |                 |
| Work range                               | ±3'                        |                 |
| Accuracy                                 | 1"                         |                 |
| <b>LEVEL</b>                             |                            |                 |
| Plate level                              | 30" / 2mm                  |                 |
| Circular level                           | 8' / 2mm                   |                 |
| <b>LASER PLUMMET</b>                     |                            |                 |
| Accuracy                                 | 1mm/1.5mm                  |                 |
| <b>LASER POINTER(DE-2AL)</b>             |                            |                 |
| Method                                   |                            | Focusing        |
| wavelength/Power                         |                            | 635nm/1mW       |
| Laser class                              |                            | Class II        |
| Laser range                              |                            | 200m (day time) |
| Spot size                                |                            | 5mm/10m         |
| Coaxial                                  |                            | 5mm/70m         |
| <b>DISPLAY</b>                           |                            |                 |
| Type                                     | Dual side-LCD, digital     |                 |
| <b>BATTERY</b>                           |                            |                 |
| Power supply                             | Rechargeable Ni-MH battery |                 |
| Volt.                                    | DC7.6V                     |                 |
| Continuous operation time                | 20 hours                   |                 |
| <b>OPERATION ENVIRONMENT</b>             |                            |                 |
| Protection of dust and water             | IP54                       |                 |
| Operating temperature                    | -20° ~ +50°C               |                 |
| <b>WEIGHT AND SIZE</b>                   |                            |                 |
| Size                                     | 165mm x 180mm x 340mm      |                 |
| Weight                                   | 4.6Kg                      |                 |

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