

# D2 Digital Level



## D2 Digital Level

Fast, accurate, smart

The super fast measurement speed of less than 3 sec. in combination with the simplicity of the one-push measure and store functionality provides faster, more economical workflow. Digital reading combined with internal memory make miss-readings and operator interpretation errors a thing of the past.

Extensive field tests verify the excellent accuracy of the D2 of 0.7 mm for 1 km double-run level. This makes the D2 an ideal level not only for high order levelling but also deformation measurements and precise surveying, as well as general construction.

The onboard adjustment program, height difference calculation, inverse staff measuring mode, in combination with various measuring configurations enable you to execute all calculation with the D2.

### Key Features

#### Capacity

Internal memory can store up to 2000 measures

#### Easy Data

Measures are downloaded on a computer by an RS232 serial port

#### Light weight

Light weight and easy to transport

#### Powerful

Long operation time: up to 16 hours of operation on field with one battery

#### Resistant

Water and dust protected (IP55)



High accuracy (0.7 mm/Km) and internal memory to store up to 2000 measurements

To further enhance your levelling, memory for up to 2'000 points is integrated in the D2. The high quality optical system of the D2 in combination with its proven algorithms ensures operation in all conditions, including low light and bright sunshine.

The data recorded on the job site can be simply downloaded by connecting the D2 with a PC or laptop. Seamless dataflow from field to finish is guaranteed.

## Technical features D2

|                                 |                                    |
|---------------------------------|------------------------------------|
| <b>Accuracy</b>                 |                                    |
| Height Accuracy                 | 0.7 mm/km                          |
| Distance accuracy               | D<10m: 10mm; D>10m: 0.001xD        |
| <b>Systems</b>                  |                                    |
| Maximum Range                   | 105 m                              |
| Minimum Range                   | 2 m                                |
| Single measurement speed        | < 3 sec.                           |
| Minimum Lighting Condition      | 20 Lux                             |
| Minimum field of view           | > 50 %                             |
| <b>Display</b>                  |                                    |
| Minimum resolution (Ht)         | 0.1 mm                             |
| Minimum resolution (Dist)       | 1 mm                               |
| <b>Telescope</b>                |                                    |
| Magnification                   | 24 x                               |
| <b>Compensator</b>              |                                    |
| Range                           | +10'                               |
| Setting accuracy                | +0.35                              |
| <b>Communication</b>            |                                    |
| Internal Memory                 | 2000 measurements                  |
| Interface                       | RS 232                             |
| <b>Environmental conditions</b> |                                    |
| Operating / Storage Temperature | -10° C - +50° C / - 40° C +70°C    |
| Protection dust and water       | IP55                               |
| <b>Weight</b>                   |                                    |
| Weight including battery        | < 2.5 kg                           |
| <b>Battery</b>                  |                                    |
| AA dry cells ( 4XLR6 / AA 1.5)  |                                    |
| 1800 mAh / 2300 mAh             | 14/16 hours continuous measurement |

Specifications subject to change without notice.

1. Fibreglass high accuracy staff. For high precision measurement campaigns we offer a one section 3 m fibreglass staff; 0.7 mm standard deviation for 1 km double-run levelling, front: code, reverse: graduated.
2. Telescopic standard staff. For all your standard leveling activities we offer the flexible 4 sectional 5 m aluminum staff; 2.0 mm standard deviation for 1 km double-run levelling, front: code, reverse: graduated.



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