

The positions of the magnets and sensors in the CERN accelerator had to be measured with maximum precision under unfavourable lighting conditions. The LEDs on the staff gave uniform illumination to the barcode without emitting thermal radiation. LED staff illumination is ideally suited for use with precision Invar levelling staffs. It permits precise measurements even with poor lighting.



## Precision Invar Levelling Staff Accessories

### Nedo LED Invar Staff Illumination

**LED Invar staff illumination** for Nedo high precision Invar staffs. The **LED Invar staff illumination** allows measurements to be taken with the Invar staff and a digital level in absolute darkness.

It can be used for example in mines, tunnels, night-time construction sites and for building monitoring. The measurement results are just as precise as measurements in daylight. Thanks to its compact design and integrated power supply, the mobility of the Invar staff is not reduced. Highly efficient LEDs in combination with specially designed optics and an optimized electronic unit ensure a long operating life. The lighting does not weaken during the battery running time, so dependable measurement is always possible. The system can be fitted to an Invar staff by the customer himself using standard tools, and requires no maintenance. The circular level of the Invar staff is additionally lit to permit precise measurements.

#### Features:

- Protection class IP 54
- Operating temperature -10°C to +50°C
- Level lighting
- Battery status display
- Detachable rechargeable battery with low self-discharge
- Battery life 5 to 10 hours depending on length
- Supplied with rechargeable batterie and charger

### Nedo LED Invar Staff Illumination

Ref.-No.	Length
396 115	suitable for 3 m Leica bar code Invar staff
396 116	suitable for 2 m Leica bar code Invar staff
396 117	suitable for 3 m Trimble bar code Invar staff
396 118	suitable for 2 m Trimble bar code Invar staff

### Base Plate (Frog)

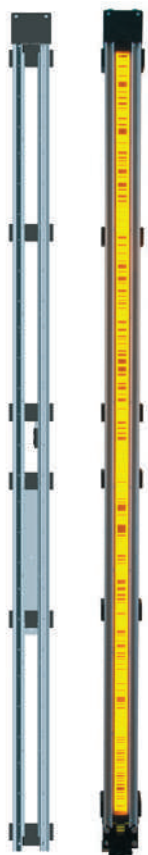
The base plate is made of powdercoated grey cast iron.

#### Features:

- Spike
- Weight: 2.7 kg

Ref.-No. 333 121

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Staff lighting in operation.

(Invar levelling staff is not included in scope of delivery)

