

GLM Lasermeßtechnik GmbH – Instruments

Optical Survey Instruments

GLM adjusts, uses, and markets optical survey instruments. We distinguish between three types of instruments:

- Level (instrument to measure altitude in relative system)
- Theodolite (instrument to measure angles)
- Tachymeter (instrument to measure angles and distances)

On the left, all instrument types are listed which are used and offered by GLM in the fields of industrial surveying (3-D measurements) used and offered. The instruments provide 3-point accuracy of 10 mm to 0.04 mm (40 microns).

The abbreviation before the instrument name reflects the typical application location of the instruments:

Tachymeter or total stations

- [NET](#): These instruments are used in industrial surveying
- [SRX](#): The SRX line is used in the peripheral areas of industrial surveying
- [SET](#): The SET series is used in traditional 3-D measurements (construction, property, archeology, etc.)

Theodolite

- [DT](#): Digital theodolites are used primarily in the assembly of machines and in high-bay warehouses

Levels:

- [B series](#): The B series instruments, depending on design, are used in industrial and traditional surveying.
- [SDL series](#):
- The [SDLIX](#) is used in industrial surveying
- The [SDL30](#) and the [SDL50](#) are used in traditional surveying

The number behind the instrument name reflects the angle accuracy in arc seconds. As an example, the [NET1](#), has an angular accuracy of 1 second, or the [NET05](#) has an angular accuracy of 0.5 arc seconds.

The the protection class IP codes indicate the water and dust resistance of the instruments.

[Optical Survey Instruments Print \(78 kB\)](#)