

Surveying Equipment

Leica Builder R

The theodolite with electronic laser distance measurement
Even an inexperienced operator can implement a construction plan or perform a control measurement



The clearly arranged built-in functions "Layout", "As-Built", "Tie Distance" and "Area" reduce work to a minimum.

Key Features

- The Leica Builder is the only theodolite offering a complete product family. It is easy for a user to switch between models without learning a new operation.
- Absolute circle reading
- Excellent hardware features, such as laser plummet, endless drives on both sides for Hz and V, brilliant optics with 30x magnification
- Dual-Axis compensation for reliable Hz and V reading
- New and intuitive software
- Unique levelling guidance for fast and convenient setup
- High resolution LCD display
- Audible notice for 90° turns and layout
- Electronic laser distance measurement
- Free set-up possible straight from blueprint
- Graphic sketches
- Hassle-free EDM measurement with red laser on any target or on the flat-prism

Leica Rugby 100/100LR

Ruggedness, accuracy and reliability have been key to the success of the Leica Rugby. The Leica Rugby 100 and 100LR have become the standard in general construction lasers.

Key Features

- Long range infrared beam (780 nm)
- Automatic horizontal self-leveling
- Working range up to 2,500 feet (750 m) with sensor
- Accuracy: $\pm 1/16"$ per 100 feet (± 1.5 mm per 30 m)
- Manual with cross-axis self-leveling up to 10%
- H.I. (elevation) alert: automatic and separate switch
- 2 head speeds: 5 and 10 RPS
- Housing made from co-molded rubber and high-impact plastic
- Waterproof and dustproof



Leica TPS700

Leica TPS700 - just the perfect instrument for every day surveying: easy to use applications, full numeric keyboards, fast data entry and clear display of the measured values on the display.



Automatic target recognition? Reflectorless distance measurements on any surface? Automated measurements? Leica TPS700 gets you started in the automation of basic surveying tasks.

ATR - Automatic target recognition - Automatic target recognition is not only quicker but provides for consistent precision in all situations and saves a lot of time and costs.

Reflectorless distance measurement

TPS700 has two different coaxial laser systems. One of them produces an invisible infrared laser beam, the other a visible red beam. The invisible beam is used for conventional measurements to prisms or to reflector tapes. With the visible laser you can measure without prism to any targets.

Key Features

- ATR (automatic target recognition)
- RL - EDM for measuring distances to any targets > 500m
- Large display
- Alphanumeric keyboard on both faces
- Quick centring with laser plummet
- Friction clutch and endless drive
- Economic Battery power pack
- Many TPS700 on-board programs
- The Leica Geo Office Tools software supplied with the instrument enables you to integrate data smoothly into your calculation program or to transfer the results of your survey directly to a GIS system

Field Books, Level Books, Flagging & Paint

FIELD AND LEVEL BOOKS
Field Book S298/360
Level Book S298/370



Paint
Jamaica Orange 5297/101F



Measuring Tapes & Chains

FIBREGLASS TAPES

R400/30 30m – 2mm R400/50 50m – 2mm
R400/30D 30m/100' – 2mm/ 1/8" R400/50D 50m/165' – 2mm/ 1/8"
R400/30DX 30m/100' – 2mm/ 100" R400/50DX 50m/165' – 2mm/ 100"



ENGINEERS' NARROW STEEL BANDS

- Surveying, civil engineering, mining & construction
- Hardened & tempered steel strip core, rust resistant, coated with abrasion-resistant nylon
- Accurate to within ± 0.1 inch per 100' REFILLS – 100'/30m x 1/4"/6mm
- 100'; decimal foot graduations
- Ring end 30m/100' – decimal foot one side, mm on other
- Chrome clad 30m – cm throughout, ring end
- 30m – mm graduations throughout, ring end reels – 100'/30m x 1/4"/6mm

Tripods

TS-50F

Aluminum Tripod, Flat-Head, Quick Clamp, Medium frame, Medium duty, 10.4 lbs, 67" extension leg, 5/8x11 thread

TS-50D

Aluminum Tripod, Dome-Head, Quick Clamp, Medium frame, Medium duty, 10.4 lbs 67" extension leg, 5/8x11 thread



60-WDF20

Wooden/Fiberglass Tripod, Flat-Head, Quick Clamp, Heavy frame, Heavy duty, 16 lbs 72" extension leg, 5/8x11 thread

Leveling Rods

06-805MC

5m Telescopic Aluminum Rod
16'/5m Dual Graduation, 5-section, metric "E" and ft/in/8ths, 4.5 lbs

06-805M

5m Telescopic Aluminum Rod
5m, 5-section, metric "E", 4.5 lbs

06-816

16' Telescopic Aluminum Rod
5-section, ft/10ths/100ths, 4.5 lbs

06-816C

16' Telescopic Aluminum Rod
5-section, ft/in/8ths, 4.5 lbs

06-707M

7.6m Fiberglass Leveling Rod
metric "E", 6.5 lbs

06-725

25' Fiberglass Leveling Rod
ft/10ths/100ths, 6.5 lbs

06-725C

25' Fiberglass Leveling Rod
ft/in/8ths, 6.5 lbs

06-705M

5m Fiberglass Leveling Rod
metric "E", 3 lbs

