

RLT

Rotational Laser Theodolite

from



Model **GT-RLT-10**

Rotational
Laser inside
housing



Single Person Set Out Alignment Tool



Accurate Horizontal Alignment of -

- ⊕ Vineyard pole placement
- ⊕ Fence posts, plantation layout
- ⊕ Conveyor belts
- ⊕ Erection of vertical walls
- ⊕ Right angle building set out
- ⊕ Pipe laying & trenching

**Field
tested
over 7
years**

Incorporates both a conventional digital Theodolite and a vertical Rotational pulsed line laser using a receiver in a horizontal position - catch the vertical beam up to 700m+ away. Set up in the middle to reach 1400m (4,600 ft).

Specifications:

Rotational Laser Housing

- Vertical rotational red laser (635nm) housed in a solid brass hexagon and tough corrosion resistant nickel plating
- The vertical laser line (6° divergents) is emitted from both the front and rear of the hexagon housing giving maximum distance front and back
- Range one way is 700m (2295FT) to a Storm receiver (others will vary in distance)
- **Over 14 hrs continuous use on one battery**
- Rotational speed 10Hz • Class 2 Laser • Max power 4mW
- Laser cuts off if rotation stops
- Sun shade included - deflects direct sun - temp up to 45°C (113°F)
- Calibration manual • Laser On/Off button • Operator manual

Digital Theodolite

- > Large dual LCD display - back lit
- > Angles, Deg. M.S & % slope
- > 30X scope > Zero set button > Optical Plummet (self checking)
- > Measure angle left & right > Tilt compensation
- > Detachable Tribrach > 2X Ni-mH batteries & charger
- > 10" accuracy > Objective lens 45mm > weight 4.8kg
- > Theodolite & Laser Module Warranty 1 year



RLT-10

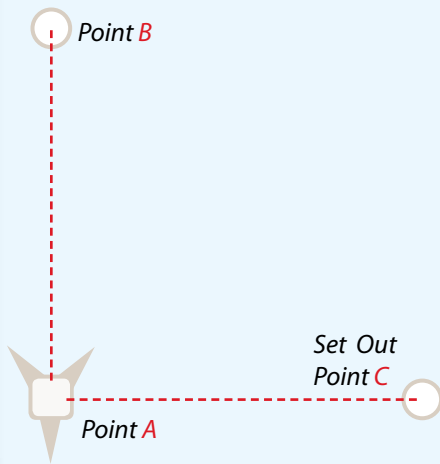


← 700m (2295ft) PLUS RANGE

700m (2295ft) PLUS RANGE →

Tested using Storm receiver - distance may increase or decrease depending on brand and model of receiver used (your choice)

One man set out - has never been easier



- Set up over point 'A'
- Place peg in ground at Point 'B' parallel to boundary or offset to slab
- Return to point 'A'
- Sight to point 'B' through telescope and zero the Horizontal Circle
- Turn 90° towards point 'C'
- Turn on the rotational laser above theodolite
- Take your receiver, to point 'C' turn it to Horizontal position, catch the vert beam and place peg at point 'C'.



The laser diode rotates through 360° inside the Hexagon brass anodised housing - the beam exits front and back at a 6° arc, producing a pulsed vertical line.

Apache Technologies

STORM

The ultimate receiver – The Laserometer

- Display: 21 channel LCD front & rear
- Digital readout displays exactly how high or low the laser strike is in mm
- Additional 2 colour, 3 channel Super-Bright LED display on front. Easy to read in low light conditions and over long distances
- Reception height: 127mm
- 6 Accuracy settings: 0.1mm, 0.5mm, 1.0mm, 2.0mm, 5.0mm, 10.0mm
- Audio settings: mute, low, med, high
- Auto switch off selectable: none, 30 mins or 24 hrs without laser strike
- Strobe light rejection filter: eliminates false readings from job site strobe lights
- Built-in vial to ensure receiver is level
- Adjustable sensitivity to laser: low, med, high. Ensures you get the maximum working range out of your laser
- Remote capture function: remotely acquires and retains a measurement. Useful for taking remote readings when the display cannot be seen. No need for a detachable remote display



Rear viewing screen of Storm receiver



- Patented two position rod clamp location: offset position utilises majority of reception area for excavations or driving down to grade
- Protective over molding: provides protection from drops & typical abuse. Allows the STORM to withstand a 3m drop onto concrete
- Patented reversible mounting jaws on clamp give a vice-like grip on all sizes and shapes of rods, including round and oval
- Battery: 2 x AA
- Low battery indicator
- Water & dust proof: IP67
- "No Excuses" warranty: if it breaks within 3 years we will fix or replace it - "No Excuses"



RLT-10G

MODEL

Now available in High Visibility

Green Beam

Receiver and clamp for green beam is model GT-RG

Authorised Dealer

Ask us for our package price for RLT and Storm receiver