



VLX-635

+/- 500m range

FENCING ALIGNMENT LASER

SINGLE OPERATOR LONG RANGE
ALIGNMENT SYSTEM

Theodolite mounted laser aligner



Theodolite : SOUTH ET-02

- +/- 2 arcsec, 45mm objective, 30x magnification
- Dual face LCD, alkaline battery pack, rechargeable battery pack and adaptor
- Hard plastic carry case
- Standard tribrach mount.
- Laser replaced handle
- Rotating laser projects in both forwards and reverse direction
- Calibrated to meet theodolite axis
- Laser powered from theodolite
- Optical compensation for laser

Specifications :

- Visible laser 635nm (red)
- Laser power < 5.0mW , rotating with safety cutout. Class 2 specification based on exposure with laser cut-out should the rotating mechanism fail.
- Working range up to 1km
- Beam aligned to laser body using proprietary means, with compensation on both directions of laser output to match the theodolite optical axis.
- Correction optics to compensate for internal optical parameters.
- Electronically isolated diode laser component
- Micro laser control circuit with Auto Power Control.
- Integral design to provide a unique product for alignment applications.
- Clip-on laser sun-shade to keep the laser cool outdoors.

The VLX-635 is a Class 2 alignment laser system attached to an economical theodolite. The laser provides a rotating vertical plane, with apertures facing forwards and reverse producing a +/- 6 degree laser fan. The laser is aligned to the theodolite optical axis and is simply re-calibrated in the field.

Sensing is achieved using a handheld laser sensor, that provides the centre of the beam axis (and theodolite axis) to within a few mm across the range.

Simple to set up, simple to use, reliable and durable. Great for fencing, pipe-laying, irrigation, agriculture, conveyor alignment and general site layout.



Sensor type may be selected from several options including potential for machine control sensors. Generally, the handheld sensor will provide detection of the beam centre to within a few millimetres over the entire operating range up to 1km.

WORKS WITH MOST ROTATING LASER HANDHELD RECEIVERS.



APPLICATIONS :

- Vineyard and fencing alignment
- Conveyor system alignment
- Site layout
- Single-person fencing, vineyards
- Roadwork layouts
- Pipe Laying
- Construction alignment
- Irrigation

Applied Resolution Technologies

Phone: 0407 54 2440

E-mail: geoff@appliedresolution.com.au

<http://www.appliedresolution.com.au>