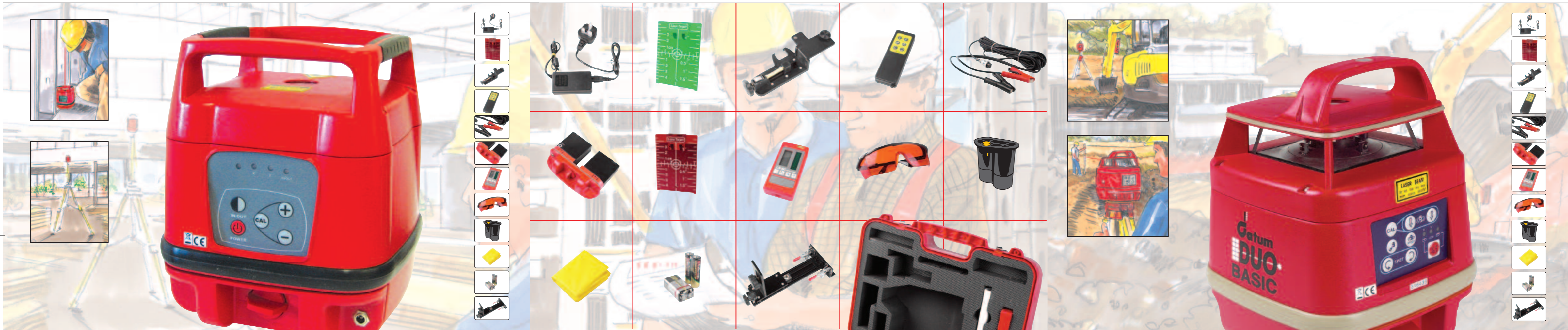


in Surveying



DUO PLUMB BEAM

Pulse Self - Levelling Plumb Laser

The Datum DUO Plumb Beam Laser is a visible beam model providing upwards and downwards plumb beams. Utilising a fast high accuracy 3 axis compensator for automatic levelling, the Laser has a range of 100m upward and 5m downward. The Laser beam is a 'bull's eye' type to enable easy location of the centre of the beam, and also has PULSE capability for use with an optional pulse Laser detector.

Supplied with Battery Pack, Alkaline Battery Housing Cover, Charger, Target and Protective Carry Case. Optional pulse beam detector available.

Specifications

Laser Source	635nm visible
Laser Safety Class	<1mw, CLASS II
Plumbing Laser Range	Upward: 100m Downward: 5m
Compensation	Electronic Self-Levelling
Compensation Range	Upward: ±3° Downward: ±2.5°
Accuracy	Upward: ±10" Downward: ±1"(±0.3mm/1m)
Spot Size	Upward: φ15mm (emit aperture) Downward: φ6mm (emit aperture)
Power Supply	Rechargeable Battery: 5x1.2v
Continuous working time	≥ 16 hours
Waterproof	IPX6
Dimension	170mm(L)x170mm(W)x241mm(H)
Weight	2.5KG →
Working Temperature	(-20 °C) (+50 °C)

DUO ACCESSORIES

Each unit comes complete with its own compact carrying case containing the specific laser's accessories.

Distributor



All our Duo Lasers carry a five year Guarantee

DUO BASIC

Horizontal & Plumb Beam Slope Facility

The Datum DUO BASIC Automatic Laser Level is a visible horizontal beam rotating Laser. Utilising a high quality 2 axis electronic sensor for fast automatic levelling, it offers an easy 1 button setup. The Laser also has Plumb and Spot beam facilities, as well as a scan mode for working in a defined area, and manual slope mode for grade matching operations.

Suitable for interior or exterior use, the Laser features an out of level warning indicator to show if the laser has been disturbed or knocked. Supplied complete with a Laser Detector, Clamp, Battery Pack, Alkaline Battery Housing Door, Wall mount and protective Carry Case.

Specifications

Laser Diode	635nm Class II
Operation Time	Up to 40hrs (Alkaline)
Weight	2.5kg
Rotation Speed	0/5/200/420 rpm
Remote Range	30m Max
Auto Level Range	+/- 5.7°
Slope (X Axis)	+/- 5°
Accuracy	Horizontal +/- 10" Vertical N/A Zenith +/- 20"
Waterproof Rating	IPX66
Spotting Mode (exc. Detector)	Approx. 50m
Measuring Range (inc. Detector)	Approx. 400m Diameter

Precision & Accuracy you can depend on... time and time again



DUO STANDARD

Horizontal & Vertical Plumb Beam Slope Facility

The Datum DUO STANDARD Automatic Laser Level is a visible horizontal and vertical beam rotating Laser. Utilising a high quality 2 axis electronic sensor for fast automatic levelling, it offers an easy 1 button setup. The Laser also has Plumb and Spot beam facilities, as well as a scan mode for working in a defined area, and manual slope mode for grade matching operations.

The DUO STANDARD can be turned on its side to operate in vertical mode. Using the snap out foot to allow accurate centering of the laser above a point, it can then be set in vertical mode for alignment operations.

Suitable for interior or exterior use, the Laser features an out of level warning indicator to show if the laser has been disturbed or knocked. Supplied complete with a Laser Detector, Clamp, Remote Control, Battery Pack, Alkaline Battery Housing Door, Wall mount, Magnetic Target and protective Carry Case.

Specifications

Laser Diode	635nm Class II
Operation Time	Up to 40hrs (Alkaline)
Weight	2.5kg
Rotation Speed	0/5/200/420 rpm
Remote Range	30m Max
Auto Level Range	+/- 5.7°
Slope (X Axis)	+/- 5°
Accuracy	Horizontal +/- 10"
	Vertical N/A
	Zenith +/- 20"
Waterproof Rating	IPX66
Spotting Mode (exc.Detector)	Approx. 50m
Measuring Range (inc. Detector)	Approx. 400m Diameter

DUO GREEN BEAM

Horizontal & Vertical Plumb Beam Slope Facility

The Datum DUO GREEN BEAM Automatic Laser Level is a visible green beam horizontal and vertical beam rotating Laser. Utilising a high quality 2 axis electronic sensor for fast automatic levelling, it offers an easy 1 button setup. The Laser also has Plumb and Spot beam facilities, as well as a scan mode for working in a defined area, and manual slope mode for grade matching operations.

The DUO GREEN BEAM can be turned on its side to operate in vertical mode. Using the snap out foot to allow accurate centering of the laser above a point, it can then be set in vertical mode for alignment operations.

Suitable for interior or exterior use, the Laser features an out of level warning indicator to show if the laser has been disturbed or knocked. Supplied complete with a Laser Detector, Clamp, Remote Control, Battery Pack, Alkaline Battery Housing Door, Wall mount, Magnetic Target and protective Carry Case.

Specifications

Laser Diode	532nm Class IIa
Operation Time	1.8~2.5mw
Weight	Up to 40hrs (Alkaline)
Rotation Speed	2.5kg
Remote Range	0/5/200/420 rpm
Auto Level Range	30m Max
Slope (X Axis)	+/- 5.7°
Accuracy	Horizontal +/- 10"
	Vertical +/- 20"
	Zenith +/- 20"
Waterproof Rating	IPX66
Spotting Mode (exc.Detector)	Approx. 50m

DUO DUAL GRADE

Horizontal & Vertical Plumb Beam Slope Facility

The Datum DUO DUAL GRADE Laser uses a high quality 3 axis electronic compensator for accurate automatic levelling. It is a visible beam model, and so can be used either internally or externally, with a Dual Grade range of ±10% including an XY memory system to retain the grade settings after power off. An out of level warning system alerts the user if the Laser is disturbed or knocked.

The DUO DUAL GRADE laser can be used on its side for vertical alignment operations suitable for both internal and exterior use.

The DUO DUAL GRADE is supplied complete with Sighting Telescope, Remote Control, Detector, Clamp, Battery Pack, Alkaline Battery Housing Cover, Charger, Wall Mount, Magnetic Target and Protective Carry Case.

Specifications

Laser Diode	635nm Class II
Operation Time	Up to 40hrs (Alkaline)
Weight	2.5kg
Rotation Speed	0/5/200/1000 rpm
Remote Range	20m Max
Auto Level Range	+/- 5.7°
Grade Range	+/- 10%
Accuracy	Horizontal +/- 10"
	Vertical +/- 20"
	Zenith +/- 15"
Waterproof Rating	IPX66
Spotting Mode (exc.Detector)	Approx. 50m
Measuring Range (inc. Detector)	Approx. 400m Diameter