

Measuring and Layout Tools

Tools and Accessories



Section Guide

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Accessories

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Innovative Cone Mirror Technology Provides Three 360° Laser Planes: The Ultimate Job Site Laser Level

This exciting new product utilizes new Cone Mirror Technology which provides 360° laser planes - without the need for rotating heads or motors - in three separate planes!



GLL3-80

Three Plane Leveling and Alignment Laser

One 360° Horizontal Plane and Two 360° Vertical Planes with 90° Intersection

Pulse Laser Receiver Mode

When Used with LR2 Receiver.
Optional: For Outdoor or Bright Light Conditions

3 x 360° Laser Planes

Maximum Versatility - Planes Operate Together or Individually for all Job Site Conditions

Smart Pendulum Leveling System
Self-levels and Indicates Out-of-Level Condition

Secure Transport Lock
Protects Pendulum when Unit is Switched off

Freestanding Magnetic Base

Convenient 1/4" and 5/8" Tripod Mounting

Simple to Use Dual Button Operation



IP54 Dust and Water Protection to Ensure Reliability in all Job Site Conditions

GLL3-80

Three Independent 360° Planes

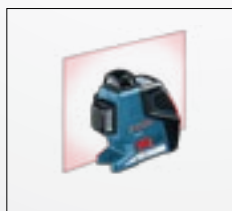
To use independently or together with the press of a button



Horizontal Laser Plane



1st Vertical Laser Plane



2nd Vertical Laser Plane



All 3 360° Laser Planes



Level and Square to Install Tile



GLL3-80 - Three Plane Leveling and Alignment Laser (with WM1)



Coming Soon



WM1

NEW

INTERIOR

EXTERIOR



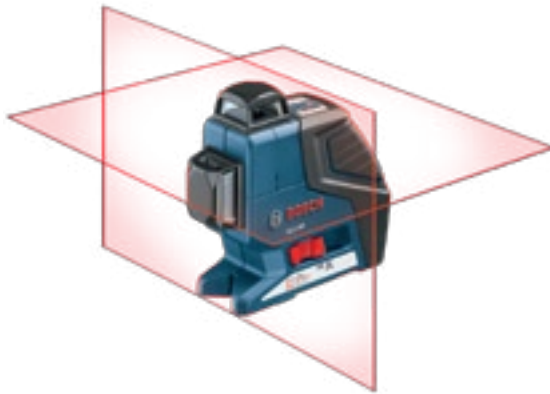
265 ft
80 m

- One 360° Horizontal Plane and Two 360° Vertical Planes with 90° Intersection
 - 3 x 360° Laser Planes for Maximum Versatility - Planes operate together or individually for all job site conditions
 - Smart Pendulum Leveling System - Self-levels and indicates out-of-level condition
 - Secure Transport Lock - Protects pendulum when unit is switched off
 - Pulse Laser Receiver Mode When Used with LR2 Receiver - Optional: for outdoor or bright light conditions
 - Convenient 1/4" and 5/8" Tripod Mounting
 - Freestanding Magnetic Base - to attach to metal track
 - Simple to Use Dual Button Operation
 - IP54 Dust and Water Protection - Ensures reliability in all job site conditions
- Includes:** WM1 Positioning Device (works with all Bosch Line and Point Lasers), Belt Pouch, Hard Carrying Case, (4) AA Batteries

Recommended: LR2 Receiver for Outdoor Use, BP350 Laser Pole Kit, BT160 Tripod

See Class 2 Warning on page 236.

GLL2-80 - Dual Plane Leveling and Alignment Laser (with WM1)



WM1

NEW

INTERIOR

EXTERIOR



265 ft
80 m

- One 360° Horizontal Plane and One 360° Vertical Plane
 - 2 x 360° Laser Planes - Planes operate together or individually for all job site conditions
 - Smart Pendulum Leveling System - Self-levels and indicates out-of-level condition
 - Secure Transport Lock - Protects pendulum when unit is switched off
 - Pulse Laser Receiver Mode When Used with LR2 Receiver - Optional: for outdoor or bright light conditions
 - Convenient 1/4" and 5/8" Tripod Mounting
 - Freestanding Magnetic Base - to attach to metal track
 - Simple to Use Dual Button Operation
 - IP54 Dust and Water Protection - Ensures reliability in all job site conditions
- Includes:** WM1 Positioning Device (works with all Bosch Line and Point Lasers), Belt Pouch, Hard Carrying Case, (4) AA Batteries

Recommended: LR2 Receiver for Outdoor Use, BP350 Laser Pole Kit, BT160 Tripod

See Class 2 Warning on page 236.

GLL2-50 - Self-Leveling Cross Line Laser (with WM1)



WM1

NEW

INTERIOR

EXTERIOR



165 ft
50 m

- Highly-Visible Laser Lines with Wide 130° Horizontal, 160° Vertical Fan Angles
 - Pulse Laser Receiver Mode When Used with LR2 Receiver - Optional: for outdoor or bright light conditions
 - Easy Access Battery Compartment
 - Vertical, Horizontal and Cross Line Modes - Projects two lines independently or together for a wide array level and/or plumb applications
 - Smart Pendulum Leveling System - Self-levels and indicates out-of-level condition
 - Secure Transport Lock - Protects pendulum when unit is switched off
 - Robust Over-Molded Housing - for Water and Dust Proof to ensure years of dependable operation
 - IP54 Dust and Water Protection - Ensures reliability in all job site conditions
- Includes:** WM1 Positioning Device (works with all Bosch Line and Point Lasers), Belt Pouch, Hard Carrying Case, (3) AA Batteries

Recommended: LR2 Receiver for Outdoor Use, BP350 Laser Pole Kit, BT160 Tripod

See Class 2 Warning on page 236.

Specifications

Model#	Accuracy	Leveling Type	Range	Range with Receiver	Laser Diode	Power	Mount Threading	Operating Temperature	Dimensions	Weight
GLL3-80	Up to $\pm 1/4"$ at 100'	Self-Leveling, Up to $\pm 4^\circ$	Up to 65'	Up to 265'	Class 2, 635 - 650 nm, ≤ 1 mW	(4) AA Batteries	1/4-20, 5/8-11	14° F up to 113° F	6.25" x 5.5" x 2.625"	21.4 oz.
GLL2-80	Up to $\pm 1/4"$ at 100'	Self-Leveling, Up to $\pm 4^\circ$	Up to 65'	Up to 265'	Class 2, 635 - 650 nm, ≤ 1 mW	(4) AA Batteries	1/4-20, 5/8-11	14° F up to 113° F	6.25" x 5.5" x 2.125"	20.8 oz.
GLL2-50	Up to $\pm 1/4"$ at 100'	Self-Leveling, Up to $\pm 4^\circ$	Up to 65'	Up to 165'	Class 2, 635 nm, ≤ 1 mW	(3) AA Batteries	1/4-20	-4° F up to 122° F	4.7" x 2.25" x 3.5"	1 lb.



The Most Innovative Wall and Floor Covering Layout Tool

Precision meets productivity with three, highly visible layout lines, raised design and multiple positioning options to handle a range of job sites

GTL3

Wall/Floor Covering Laser

Select 0° and 90° Lines Plus Optional 45° Layout Line

At the Press of a Button.

This Provides 0°, 45° and 90°
Layout from a Single Set-Up

Bright, Visible Laser Lines

Clear, Sharp and Very Precise
for All Tile and Floor/Wall
Covering Surfaces

Taller than Typical Floor Covering Layout Lasers

Raised from the Surface to
Project Over Uneven Surfaces.
Laser Lines are Brightly Visible
Over Obstructions, Textures
and Most Types of Surface

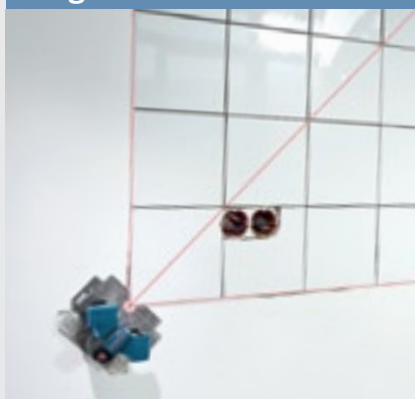


* Includes Magnetic Base

Strong Magnets on the Bottom
of the Tool Provide Secure and
Adjustable Attachment on Positioning
Plate and Other Ferrous-Metal Surfaces

IP54 Dust and Water Protection to
Ensure Years of Dependable Operation

Magnetic Base



Versatile Steel Positioning Plate

Plate has multiple
stamped alignment lines
for accurate and versatile
positioning of tool and
materials. Mounting slots
allow attachment to walls
or inclined surfaces using
standard drywall screws



Projects 90° Lines for Precise Squaring



GTL3 - Wall/Floor Covering Laser


NEW
INTERIOR
65ft
20 m

- Bright, Visible Laser Lines - Clear, sharp and very precise for all tile and floor/wall covering surfaces
- Taller than Typical Floor Covering Layout Lasers - Raised from the surface to project over uneven surfaces. laser lines are brightly visible over obstructions, textures and most types of surface
- Select 0° and 90° Lines Plus Optional 45° Layout Line At the Press of a Button - This provides 0°, 45° and 90° layout from a single set-up
- Projects 90° Lines for Squaring
- Strong Magnets on the Bottom of the Tool - Provides secure and adjustable attachment on positioning plate and other ferrous-metal surfaces
- Includes Magnetic Base
- IP54 Dust and Water Protection - Ensures reliability in all job site conditions

Includes: Versatile Steel Positioning Plate, Target, Soft Carrying Case, (4) AA Batteries

See Class 2 Warning on page 236.

American Woodworker - Great New Products for 2008

GTL2 - Laser Level and Square


INTERIOR
30ft
9 m

- Projects Vertical Laser Reference Lines on any Surface.
- Alignment Guide for 90° Layout - Calculate and turn angles in 5° increments
- Simple One Button Operation - Powers two perpendicular laser lines (90°) on and off
- Easy to Press Push Button - Secures unit to smooth surfaces using non-abrasive adhesive
- Two (2) Bubble Vials - For leveling and aligning laser tool
- Ideal For Floors, Tiles, Paneling, Wall Fixtures, Wallpapering, Stenciling, Wainscoting, Finish Carpentry, Outlet Switches, Lighting Fixtures, Wall Studs, Partitions, Etc.

Includes: Adhesive Mounting Strips

See Class 2M Warning on page 236.

Specifications

Model#	Accuracy	Range	Leveling Type	Laser Diodes	Power	Vial Sensitivity	Operating Temperature	Dimensions	Weight (lbs.)
GTL3	Up to $\pm 1/16"$ at 20' ($\pm 1/8"$ at 20' between 45° and 90° lines)	Up to 65'	Manual	Class 2, 635 nm, ≤ 1 mW	(4) AA Batteries	N/A	14°F up to 122°F	6.125" x 4" x 3.875"	1.1
GTL2	Up to $\pm 1/2"$ at 30'	Up to 30'	Manual	Class 2M, 650 nm, ≤ 1 mW	(3) AA Batteries (not included)	± 30 minute	32°F up to 104°F	7.13" x 7.05" x 2.1"	1



Toll free: 877-BOSCH-99


BOSCH

Crosspoint Technology Creates One Less Set-Up Step

Cross Point Reference Lines eliminate the need to set up at two points for track alignment applications. Plumb points and align with just one press of a button!



GPL5C

5-Point Alignment Self-Leveling Laser

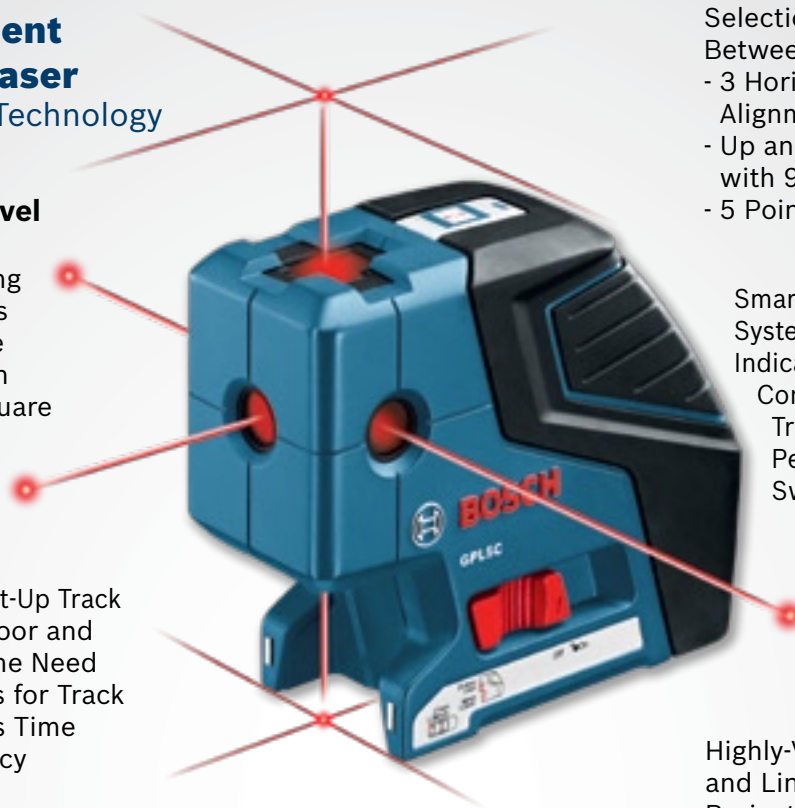
with Cross Point Technology

Projects Plumb, Level And Square Points

For Precise Positioning and Transfer of Points for Easy and Accurate Alignment of Points in Level, Plumb, and Square Applications

Cross Point Reference Lines

Provide Easy Single Set-Up Track Alignment on Both Floor and Ceiling, Eliminating the Need for Two Set-Up Points for Track Alignment. This Saves Time and Increases Accuracy



Selection Switch to Choose Between Laser Options of:

- 3 Horizontal Points for 90° Alignment and Leveling
- Up and Down Cross Points with 90° Horizontal Point
- 5 Points With Cross Points

Smart Pendulum Leveling System Self-Levels and Indicates Out-of-Level Condition. Secure Transport Lock Protects Pendulum when Unit is Switched off

Highly-Visible Laser Dots and Lines - Three Diodes Project all Points for Visibly Superior Accuracy

The Only 5-Point Laser with Crosslines

Point Laser Applications

- Quality optics give bright, clear laser dots for easy alignment and layout in interior buildings
- For precise plumb level and square, the Bosch point lasers are ideal for installation of walls, partitions and building layout. Transfer points from floor to ceiling and 90° square alignment.
- Reliable and robust construction: Bosch Point Lasers are simple to use, save time and money



Plumb Applications



Level and Align



Magnets for Mounting



GPL5C - 5-Point Alignment Self-Leveling Laser with Cross Point Technology



NEW **INTERIOR** **100ft**
30 m

- 5-Point Laser Projection plus Highly-visible Laser Cross Lines
- Cross Point Reference Lines - Projected from both ceiling and floor points
- Built-in Magnets at Base
- Smart Pendulum Leveling System - Self-levels and indicates out-of-level condition. Secure transport lock protects pendulum when unit is switched off
- Projects Plumb, Level And Square Points - For precise positioning and transfer of points for easy and accurate alignment of points in level, plumb, and square applications
- Selection Switch to Choose Between Laser Options of: 3 horizontal points for 90° alignment and leveling, Up and down cross points with 90° horizontal point, 5 points with cross points
- Highly-Visible Laser Dots and Lines - Three diodes project all points for visibly superior accuracy
- 5 points with two cross points to meet all job needs and saves battery life
- IP54 Dust and Water Protection - Ensures reliability in all job site conditions

Includes: Belt Pouch, (4) AA Batteries

See Class 2 Warning on page 236.

GPL5 - 5-Point Self-Leveling Alignment Laser



INTERIOR **100ft**
30 m

- 5-Point Laser Projection - Level, plumb up, plumb down and square for accurate alignment and layout
- Accurately Transfers and Aligns, Level, Plumb, 90° Square and Grade Points
- Easy Field Recalibration - Maintains accuracy and prevents downtime
- Pocket-Sized - Only 4-1/8" tall; pouch fits on tool belt
- Easy Access Battery Compartment
- Integrated Reference Lines - For precise positioning of tool and transfer of points
- Smart Pendulum Leveling System - Self-levels, senses and indicates out-of-level condition, locks when switched off
- Multipurpose Attachment - Position and mount with magnets, strap or threaded mounts (1/4-20, 5/8-11)

Includes: Multipurpose Attachment, Recalibration Wrench, Belt Pouch, (3) AA Batteries

See Class 2 Warning on page 236.

GPL4 - 4-Point Self-Leveling Alignment Laser



INTERIOR **100ft**
30 m

- 4-Point Laser Projection - Level, plumb up, plumb down and square for accurate alignment and layout
- Over-the-Track Application Design - Accurately transfer and align points by magnetically mounting to metal surfaces
- Automatic Out-of-Level Sensing - Blinking points indicate out-of-level condition
- Dual Mode On/Off Switch - or 4-Point mode selection for versatile applications
- Multi-Mount - Position and mount with magnets, strap or threaded mounts (1/4-20, 5/8-11)
- Robust and Ergonomic Over-Molded Housing - Water and dust protection to ensure dependable operation and sure grip

Includes: Multi-Mount, Laser Target, Soft Carrying Case, (3) AA Batteries

See Class 3R Warning on page 236.

Specifications

Model#	Accuracy	Range	Leveling Type	Laser Diode	Mount Threading	Power	Operating Temperature	Dimensions	Weight (lbs.)
GPL5C	Up to $\pm 1/4"$ at 100'	Up to 100'	Self-Leveling, Up to $\pm 4^\circ$	Class 2, 635 nm, ≤ 1 mW	5/8-11, 1/4-20	(4) AA Batteries	14° F up to 104° F	4.65" x 5.7" x 2.2"	1.1
GPL5	Up to $\pm 1/4"$ at 100'	Up to 100'	Self-Leveling, Up to $\pm 5^\circ$	Class 2, 635 nm, ≤ 1 mW	1/4-20	(3) AA Batteries	14° F up to 122° F	4.125" x 3.125" x 1.625"	1.0
GPL4	Plumb Up, Level and Square: Up to $\pm 1/4"$ at 100' Plumb Down: Up to $\pm 1/4"$ at 10'	Up to 100'	Self-Leveling, Up to $\pm 5^\circ$	Class 3R, 630-670 nm, < 5 mW	1/4-20	(3) AA Batteries	32° F up to 104° F	2.52" x 4.61" x 4.25"	1.2

Measuring and Layout Tools

Point Lasers

GPL3 - 3-Point Self-Leveling Alignment Laser



INTERIOR

100ft
30 m

- 3-Point Plumb and Level Point Projection - Accurately transfers and aligns level, plumb, 90° and grade points
- Patented Diamond-Cut Beam Splitter - Single diode projects all points for superior accuracy
- Pocket-Sized - Only 4-1/8" tall; pouch fits on tool belt
- Integrated Reference Lines - For precise positioning of tool and transfer of points
- Easy Access Battery Compartment
- Multipurpose Attachment - Position and mount with magnets, strap or threaded mounts (1/4-20, 5/8-11)
- Robust Over-Molded Housing - Water and dust proof to ensure years of dependable operation
- Smart Pendulum Leveling System
- Self-levels, senses and indicated out-of-level condition, locks when switched off
- Easy Field Recalibration - Maintains accuracy and prevents downtime

Includes: Multipurpose Attachment, Mounting Strap, Recalibration Wrench, Belt Pouch, (3) AA Batteries

See Class 2 Warning on page 236.

GPL2 - 2-Point Self-Leveling Laser



INTERIOR

100ft
30 m

- 2-Point Plumb Point Projection - Accurately transfers points from floor to ceiling
- Over-the-Track Application Design - Accurately transfer and align points by magnetically mounting to metal surfaces
- Automatic Out-of-Level Sensing - Blinking points indicate out-of-level condition
- Robust and Ergonomic Over-Molded Housing - Water and dust protection to ensure dependable operation and sure grip

Includes: Belt Pouch

See Class 2M Warning on page 236.

GPL3T - Torpedo 3-Point Alignment Laser



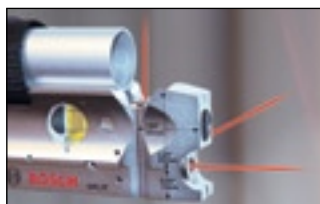
INTERIOR

100ft
30 m

- 3-Point Plumb, Level and Square Point Projection - Accurately transfers and aligns plumb, level, square and grade points
- Patented Diamond-Cut Beam Splitter - Single diode projects all points for superior accuracy
- Versatile Positioning Capability - With precision bubble vials, leveling base, pipe-groove, magnets, 1/4" x 20 tripod mount, alignment shoulders, positioning tip and strap slots

Includes: Leveling Base, Belt Pouch, (3) AAA Batteries

See Class 2 Warning on page 236.



Versatile Positioning Capability

Precision Bubble Vials, Leveling Base, V-groove Magnets, 1/4-20 Tripod Mount, Alignment Shoulders, Positioning Tip and Strap Slots

Specifications

Model#	Accuracy	Range	Leveling Type	Laser Diode	Mount Threading	Power	Operating Temperature	Dimensions	Weight (lbs.)
GPL3	Up to ±1/4" at 100'	Up to 100'	Self-Leveling, Up to ±5°	Class 2, 635 nm, ≤ 1 mW	1/4-20	(3) AA batteries	14° F up to 122° F	4.125" x 3.125" x 1.625"	0.9
GPL2	Plumb Up; ±1/8" at 50', Plumb Down: Up to ±1/4" at 10'	Up to 30'	Self-Leveling, Up to ±5°	Class 2M, 650 nm, ≤ 1 mW	1/4-20	(3) AA batteries (not included)	32° F up to 104° F	2.52" x 4.61" x 4.25"	1.2
GPL3T	Up to ±1/4" at 75'	Up to 100'	Manual	Class 2, 635 nm, ≤ 1 mW	1/4-20	(3) AAA batteries	14° F up to 122° F	9.5" x 1" x 1.75"	1.6



Measuring and Layout Tools

Digital Angle Finder

223

A New Angle on Corner Measurement

DAF220K Digital Angle Finder Kit

Four Tools In One:
Angle Finder, Cut Calculator,
Protractor and Level

Versatile Memory
Stores an Angle Measurement
(Such as Crown Molding Spring
Angle) for Repeated Use

Precision Angle Finder
Measures the Exact Angle of
Existing Surface within 0.1°

Simple Miter Cut Calculator
Calculates the Exact Miter Angle
Needed for Perfect Fit of Base-
board, Picture Frames and More

Compound Cut Calculator
Calculates the Exact Miter and
Bevel Angles Needed for a Perfect
Fit of Crown Moldings and More



Leg Extension
for Confined Areas

Easy Calculation of Cut Angles



Measure 1st Angle



Measure 2nd Angle



Display the Exact Miter and
Bevel Angles at the Touch of
a Button for a Perfect Fit

DAF220K - Digital Angle Finder



INTERIOR MITER FINDER™

- Precision Angle Finder - Measures the exact angle of existing surface within 0.1°
- Simple Miter Cut Calculator - Calculates the exact miter angle needed for perfect fit of baseboard, picture frames and more
- Compound Cut Calculator - Calculates the exact miter and bevel angles needed for a perfect fit of crown moldings and more
- Versatile Memory - Stores an angle measurement (such as crown molding spring angle) for repeated use
- Leg Extension - For confined areas

Includes: Leg Extension, Carrying Case, (4) AA Batteries

Specifications

Model#	Measuring Range	Compound Cut Input Angle Range	Simple Miter Cut Input Angle Range	Readout Accuracy	Leg Extension Length	Leg Extension Range	Leveling Vial Accuracy	Power	Battery Life	Automatic Shut-off Time	Dimensions	Weight (lbs.)
DAF220K	0° - 220°	0° - 180°	0° - 220°	± 0.1°	16"	0 - 6.75"	± 0.05°	(4) AA Batteries	130 Hours	3 Minutes	17" x 1.375" x 2.375"	2.4

Bosch Innovation Meets Laser Measuring

The longest range and more features make this the most versatile indoor/outdoor laser distance measurer yet!



GLR825 Laser Distance Measurer

Measuring Distance up to 820'
For Indoor and Outdoor Applications

**Functional and Easy to Use
Laser Distance Measurer**
Easily Provides Precise Results to Increase Your Productivity

**Integrated 1.6x
Magnification View Finder**

Large, Illuminated
Four-Line Display

Glass Lens with Ceramic
Optics Carrier for Durability
and Robustness

Multi-Functional Extension Pin
with Two Stable Positions

Built-in Memory Storage
up to 30 Measurements

IP54 Dust and Water
Protection



Integrated View Finder



1.6x Magnification for Long
Distance Applications
(Available only with GLR825)



Laser Spot is Always Clearly
Visible - Even in Bright Sunlight

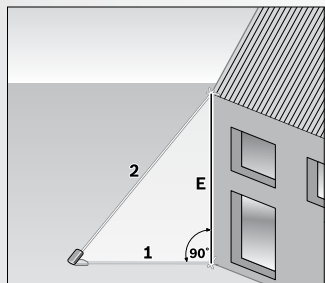
Recommended Accessories

DLA001 Laser
View-Enhancing
Glasses for Easier
Laser Visibility

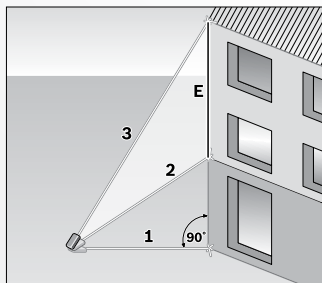


DLA002 Laser
View-Enhancing Target
for Easy Target Aiming

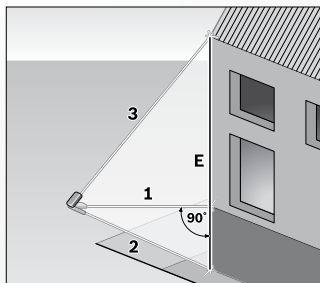
More Than A Distance Measurer – Newly Added Features Quickly Provide Solutions at Your Fingertips



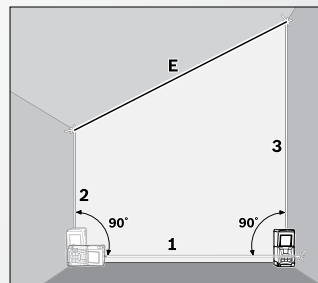
Single Indirect/Pythagoras
for measuring height from a
distance



Double Indirect/Pythagoras for
measuring portions of a total
height



Combined Indirect/Pythagoras
for measuring total height
from a distance



Trapezoid Function for
calculating angled surfaces
such as sloped ceilings



Measuring and Layout Tools

Laser Distance Measurers

225

GLR825 – Laser Distance Measurer



Coming Soon

NEW

INTERIOR EXTERIOR

820ft
250 m

- Measuring Distance up to 820' (250 m) for Indoor and Outdoor Applications
- Measuring Modes - Length, area, volume, min./max., continuous, single indirect, double indirect, combined indirect length, stake out, trapezoid, multi-surface area and timer measurements for maximum versatility
- Accuracy up to $\pm 0.04"$ (± 1 mm)
- Integrated 1.6x Magnification View Finders - for long range measurements
- Multi-functional Extension Pin - with two stable positions for precise measurements
- Glass Lens with Ceramic Optics Carrier- for durability and robustness
- Large, Illuminated Four-line Display for Easy Readability
- User-friendly Keypad with Intuitive Graphic Display
- Built-in Memory Storage up to 30 Measurements
- Integrated Bubble Vial for Visual Reference when Measuring Horizontal Distances
- IP54 Dust and Water Protection - Ensures reliability in all job site conditions

Includes: Belt Pouch, Hand Strap, (4) AAA Batteries

See Class 2 Warning on page 236.

GLR500 – Laser Distance Measurer



Coming Soon

NEW

INTERIOR EXTERIOR

492ft
150 m

- Measuring Distance up to 492' (150 m) Indoor and Outdoor Applications
- Measuring Modes - Length, area, volume, min./max., continuous, single indirect, double indirect, combined indirect length, stake out, trapezoid, multi-surface area and timer measurements for maximum versatility
- Accuracy up to $\pm 0.04"$ (± 1 mm)
- Multi-functional Extension Pin - with two stable positions for precise measurements
- Glass Lens with Ceramic Optics Carrier- for durability and robustness
- Large, Illuminated Four-line Display for Easy Readability
- User-friendly Keypad with Intuitive Graphic Display
- Built-in Memory Storage up to 30 Measurements
- Integrated Bubble Vial for Visual Reference when Measuring Horizontal Distances
- IP54 Dust and Water Protection - Ensures reliability in all job site conditions

Includes: Belt Pouch, Hand Strap, (4) AAA Batteries

See Class 2 Warning on page 236.

GLR225 – Laser Distance Measurer



Coming Soon

NEW

INTERIOR

230ft
70 m

- Seven Measuring Modes - Length, area, volume, min./max., continuous, indirect length, multi-surface area measurements for versatile applications
- Four Measuring Reference Points - Back, front, swing-out extension pin for measuring from inside corners or channels, or center of optional tripod
- Multi-Surface Area Mode - Calculates the total area of several individual surfaces with a common length or height
- Min./max. Measurement Mode - For accurate measurement to the shortest / longest distance from a fixed reference point
- Indirect Length Measurement Mode - Calculate inaccessible distances that cannot be measured directly (due to obstruction or lack of reflecting surface)
- Built-in Bubble Vial - Provides visual reference when measuring horizontal distances
- Four Measurement Systems - Inches, feet and inches, decimal feet, and metric
- Pocket-sized - Only 4" (10 cm) tall

Includes: Belt Pouch, Hand Strap, (4) AAA Batteries

See Class 2 Warning on page 236.

DLR130K – Laser Distance Measurer



INTERIOR

130ft
40 m

- Four Measurement Systems - Inches, feet and inches, decimal feet and metric
- Length, Area and Volume Measuring Capability
- Continuous Length Mode - Measurement automatically adjusts when walking-off distances
- Precision Laser Measuring Technology Laser Beam Does both Pointing and Measuring
- Pocket-Sized - Only 4" Tall
- Two Measuring Reference Points - Back and front of tool
- Ergonomic Soft-grip Area - For sure grip and comfort

Includes: Belt Pouch, (4) AAA Batteries

See Class 2 Warning on page 236.

Specifications

Model#	Range	Accuracy	Laser Diode	Power (batteries)	Battery Service Life: Individual Measurements	Measuring Time, Typical	Measuring Time, Max.	Operating Temp	Dimensions	Integrated Viewfinder	Illuminated Display	Weight (oz.)
GLR825	2" to 820'	$\pm 0.04"$	Class 2, 635 nm, < 1 mW	(4) AAA	Approx. 20,000	< 0.5 sec.	4 sec.	14° F up to 122° F	4.7" x 2.6" x 1.5"	Yes	Yes	8.5
GLR500	2" to 492'	$\pm 0.04"$	Class 2, 635 nm, < 1 mW	(4) AAA	Approx. 20,000	< 0.5 sec.	4 sec.	14° F up to 122° F	4.7" x 2.6" x 1.5"	No	Yes	8.5
GLR225	2" to 230'	$\pm 1/16"$	Class 2, 635 nm, < 2 mW	(4) AAA	Approx. 30,000	< 0.5 sec.	4 sec.	14° F up to 122° F	4" x 2.3" x 1.3"	No	No	6.35
DLR130K	2" to 130'	$\pm 1/16"$	Class 2, 635 nm, < 2 mW	(4) AAA	Approx. 30,000	< 0.5 sec.	4 sec.	14° F up to 122° F	4" x 2.3" x 1.25"	No	No	6.35

The Most Innovative Digital Multi-Detector

Bosch Patented Ultra Wide Band (UWB) Radar Technology offers a wide range of detection performance - up to 6" (15 cm)



D-TECT150 Digital Multi-Detector

Metal Detection

in Concrete up to 6" (15cm) Deep

Electrical Copper Wiring Detection

up to 3-1/8" (8 cm) Deep

Plastic Pipe Detection

Pipes over 1" Diameter are
Detectable up to 2-3/8"
(6 cm) Deep in Concrete Mode

Wood Studs Detection
up to 1-1/2" (3.8 cm) Deep

Five Detection Modes:
Choose the Specific Construction
Barrier - Concrete, Deep Concrete,
Filled Pipes, Drywall and Masonry

Calibration-free:
Ready to use Anytime



Large Illuminated Display
Shows the Exact Location
of the Object's Depth,
Center, Width and Edge

Four-Wheel Design
for Easy and Smooth
Maneuverability Across
Surfaces

Ergonomic Handle with
Soft Grip for Easy Use

Large LED
Detection Indicator

Audible Detection Signal
Easily Switches On and Off

Detects Ferrous and Non-Ferrous Metals, Wood, Live Wiring and Plastic Pipes



Measuring and Layout Tools

Digital Detectors

227

D-TECT150 - Digital Multi-Detector



NEW

INTERIOR EXTERIOR

- Deep Detection Capability - Metal detection in concrete up to 6" (15cm) deep
 - Electrical Copper Wiring Detection- Up to 3-1/8" (8 cm) deep
 - Plastic Pipe Detection - Pipes over 1" diameter are detectable up to 2-3/8" (6 cm) deep in Concrete Mode
 - Wood Studs Detection - Up to 1-1/2" (3.8 cm) deep
 - Five Detection Modes: Choose the specific construction barrier - concrete, deep concrete, filled pipes, drywall and masonry
 - Large Illuminated Display - Shows the exact location of the object's depth, center, width and edge
 - Calibration-free - Ready to use anytime
 - Ergonomic Handle - Soft grip for easy use
 - Four-Wheel Design - Easy and smooth maneuverability across surfaces
 - Large LED Detection Indicator
 - Audible Detection Signal - Easily switches on and off
 - Multi-language Options - English, French, Spanish, German, Italian and Polish
- Includes:** Soft Carrying Case, (4) AA Batteries

Coming Soon

DMD4K - Digital Multi-Detector



INTERIOR

- Multi-functional Detection of Ferrous and Non-ferrous Metals (Rebar, Studs and Pipes), Wood Studs and Live Wiring
 - Deep Metal Detection Capability - Detects steel up to 4" deep, even in concrete
 - Illuminated Ring Around Marking Hole - Changes from green to red to provide clear indication of detection
 - Zoom Feature in Metal Mode - For enhanced precision in detecting small objects, locating centers of large objects, and distinguishing between close objects
 - Autocalibration In Metal Mode - Metal scan can be started at any location
 - Informative LCD Display - Indicates mode, detection strength and more
 - Audible Detection Signal - Easily switches on and off
 - Ergonomic Soft Grip Area
 - On-tool Marking Pencil Storage - Accepts standard pencil width
- Includes:** 2 Marking Pencils, Belt Pouch, 9V Battery

This Old House - Best New Tools 2008

American Woodworker Jan 2008 - Great New Products for 2008

Specifications

Model#	Max. Detection Depths Metal (Ferrous and Non-Ferrous)	Max. Detection Depths Electrical Copper Wiring (120V AC, 50 / 60Hz)	Max. Detection Depths Plastic Pipes (>1") (in Concrete Mode)	Max. Detection Depths Wood Substructures (Studs)	Power	Dimensions	Weight (lbs.)
D-TECT150	Up To 6"	Up To 3-1/8"	Up To 1-1/2"	Up To 2-3/8"	(4) AA Batteries	8.7" x 3.8" x 4.7"	1.6
DMD4	Steel: 4" Copper: 3-1/8"	2"	N/A	3/4"	(1) 9V Batteries	8" x 3.25" x 1.2"	0.53



Horizontal and Vertical Self-Leveling Rotary Lasers

Fast, fully automatic and self leveling in both axis for level and alignment applications. Ideal of all indoor and outdoor jobsites



GRL300HV

Horizontal and Vertical Electronic Self-Leveling Rotary Laser with 90° Layout Beam

Beam Customization

Four Lengths (0°, 10°, 25°, 50°) and Three Rotation Speed Settings (150, 300, 600 Rpm) for Diverse Application and Lighting Conditions

New Shock Warning Function

This great feature gives an indication when the laser may have been moved or disturbed from its self-leveled condition

Smart Electronic Self-Leveling Systems

Keeps the Unit Level or in Vertical in all Conditions or Vibrations Conditions

Full Range of Visibility Features - Scan and speed settings plus manual spot position makes for easy set up and alignment

Easy to Check Field Calibration with Shock Warning Indication - Easy to Maintain Accuracy and Prevent Downtime

Robust Construction with IP54 Protection and Rated for 1m Drop Test



Easy to Load and Unload Battery Compartment



Ideal for level and alignment of interior construction jobs including ceilings, walls and partitions



Convenient leveling of floors, concrete and all interior and exterior surfaces



GRL300HV Kit

RC1 Remote Control, Laser Glasses, Wall Mount, Magnetic Target, (2) D Batteries. Options include: GR16 Rod and Tripod



Measuring and Layout Tools

Rotary Lasers

229

GRL300HV - Horizontal and Vertical Electronic Self-Leveling Rotary Laser with 90° Layout Beam



NEW

INTERIOR

EXTERIOR



1000ft
300 m

- Horizontal and Vertical Self Leveling for Level and Alignment, Plus a 90-degree Layout Beam
- Easy to Check Field Calibration with Shock Warning Indication - Easy to maintain accuracy and prevent downtime
- Smart Electronic Self Leveling System - Self Levels, senses and indicates out-of-level condition for security and accuracy on the job
- Full Range of Visibility Features - Scan, speed, adjustable head and remote
- Robust Construction with IP54 Protection and Rated for 1m Drop Test
- Beam Customization - Four lengths (0°, 10°, 25°, 50°) and three rotation speed settings (150, 300, 600 rpm) for diverse application and lighting conditions
- New Shock Warning Function

Includes: Laser Glasses, Remote Control RC1, Magnetic Target, WM4 Wall Mount, Hard Carrying Case, (2) D Batteries

Recommended: LR1 Detector With Rod Bracket, GR16 Leveling Rod, BT160 Tripod

See Class 2 Warning on page 236.

Coming Soon

GRL160DHV - Dual-Axis Self-Leveling Rotary Laser



INTERIOR

EXTERIOR



1000ft
300 m

- Patented Dual-laser System - Separate horizontal and vertical lasers for use together or individually for both indoor and outdoor applications
- Easy Field Recalibration - Maintain accuracy and prevent downtime
- Smart Pendulum Leveling System - Self-levels, senses and indicates out-of-level condition
- Patented Motorized Microfine Plumb Alignment - Allows left/right vertical beam adjustment without unit relocation
- Beam Customization - Six lengths (3°, 10°, 30°, 45°, 90° and 120°) and three rotation speed settings (350, 600, 1200 rpm) for diverse application and lighting conditions

Includes: RCR1 Remote Control/Receiver, Laser Glasses, Magnetic Target, Rod Bracket, Wall Mount, Hard Carrying Case, 4 D Batteries, 9V Battery

Recommended: BT160 Tripod and GR16 Leveling Rod

See Class 3R Warning on page 236.



- Laser Receiver with Built-in Remote Control - Radio-frequency remote allows for control of all functions
- 500-ft RF Remote Range - No direct line of sight required and obstructions are no problem
- LCD Display on Both Sides - For easy beam location readout

Specifications

Model#	Accuracy (Horizontal)	Accuracy (Vertical)	Range	Leveling Type	Laser Diode	Power	Mount Threading	Operating Temperature	Dimensions	Weight (lbs.)
GRL300	Up to $\pm 1/8"$ at 100'	Up to $\pm 1/8"$ at 100'	Up to 1000'	Self-Leveling, Up to $\pm 6^\circ$	Class 2, 635 nm, ≤ 5 mW	(2) D Batteries	5/8-11	14° to 122° F	7.5" x 7" x 6.7"	3.75
GRL160DHV	Up to $\pm 1/8"$ at 100'	Up to $\pm 1/4"$ at 100'	Up to 1000'	Self-Leveling, Up to $\pm 6^\circ$	Class 3R, 635nm, ≤ 5 mW	(4) D Batteries	5/8-11	14° to 122° F	10.25" x 6.9" x 9.75"	7



Toll free: 877-BOSCH-99



BOSCH

Go Further with Precision

Telescoping Pole System, Positioning Devices and Laser Receivers

LR1

Rotary Laser Receiver

Works with Bosch and All Red Light Rotary Lasers

For Convenient Usage at Greater Distances

Dual-Sided LCD Display

For Easy Visual Readout on Both Sides of Receiver

Built-in Heavy Duty Magnets

For Secure Attachment to Metal Surfaces. Ideal for Suspended Ceiling Installations



Ergonomic Soft Housing Material for Secure Grip and Comfort



Simple and Secure Assembly to Leveling Rod with Mounting Bracket for Quick and Accurate Leveling Applications



LCD Arrow Display and Selectable Audio Signal Give Clear High-Low-Ongrade Position Indication

BP350

Telescoping Pole System for Line Laser Tools

Laser Tool Not Included



Telescoping Pole - Anti-Slip Surface on Foot and Ball
Jointed Head Plate for Secure Placement at Floor and Ceiling



Complete Line Laser Tool Positioning System

Pole, Clamp and Tool Mount are all Included

Swiveling Threaded Tool Mount

(1/4-20) for Attachment of Line or Point Layout Lasers



Quick-Set Mounting Clamp

Easy Placement at Virtually any Height between Floor and Ceiling



LR1 - Rotary Laser Receiver



Coming Soon

NEW

INTERIOR EXTERIOR

- Dual-Sided LCD Display - For easy visual readout on both sides of receiver
- Works with all Red Beam Rotating Lasers
- Built-In Heavy Duty Magnets - for secure attachment to metal surfaces - Ideal for suspended ceiling installations for convenient usage at greater distances
- LCD Arrow Display and Selectable Audio Signal Give Clear High-Low-Ongrade Position Indication
- Ergonomic Soft-Grip for secure grip and comfort

Includes: Mounting Bracket, 9V Battery

Works with: GRL300HV, GRL160HV, GRL145HV and most rotary lasers

LR2 - Line Laser Receiver



INTERIOR EXTERIOR

- Dual-Sided LCD Display - For easy visual readout on both sides of receiver
- Works with Bosch Self-Leveling Cross-Line Lasers - GLL2-50, GLL2-80 and GLL3-80 with "Pulse" Receiver Mode
- Built-In Heavy Duty Magnets - for secure attachment to metal surfaces - Ideal for suspended ceiling installations for convenient usage at greater distances
- Indicator Lights and Audible Detection Signal On/Off - For ease of use in various job site conditions
- Ergonomic Soft-Grip - For secure grip and comfort

Includes: Mounting Bracket, 9V Battery

Works with: GLL3-80, GLL2-80 and GLL2-50

BP350 - Telescoping Pole System for Laser Tools



INTERIOR EXTERIOR

- Complete Laser Tool Positioning System - Pole, Clamp and Tool Mount are all included
- Swiveling 1/4-20 Threaded Mount - For attachment of line or point layout laser
- Quick-Set Clamp - Easy placement at virtually any height between floor and ceiling
- Anti-Slip Surface on Foot and Ball - Jointed Head Plate for secure placement at floor and ceiling

Includes: Telescoping Pole, Tool Mount, Mounting Clamp, Soft Carrying Case

WM1 - Positioning Device for Line and Point Lasers



INTERIOR EXTERIOR

- Compatible with Bosch BP350 Telescoping Pole - For maximum versatility in setting height
- Microfine Height Adjustment - System for quick adjustment and secure locking of the working height
- Retractable Feet for Freestanding Use - For usage as a mini tripod
- Multi-Mounting Systems - Strong magnets, 1/4-20 and 5/8-11 thread, slots for screws or nails, raceways for optional straps
- Swiveling Threaded Mount (1/4-20) - For attachment of line or point layout laser

Specifications

Model#	Accuracy (fine/medium)	Suggested Tools	LCD Display	Audible Signal	Height Adjustment Range	Tool Mount Threading	Maximum Tool Weight	Dimensions	Weight (lbs.)
LR1	±1 mm / ±3 mm	GRL300HV - 1000', GRL160DHF - 1000'	Dual-Sided	ON/OFF	N/A	N/A	N/A	5.8" x 2.8" x 1.2"	0.79
LR2	±1 mm / ±3 mm	GLL3-80, GLL2-80 - 265', GLL2-50 - 165'	Dual-Sided	ON/OFF	N/A	N/A	N/A	5.9" x 2.9" x 1.6"	0.44
BP350	N/A	N/A	N/A	N/A	4.6' - 11.5'	1/4 - 20	4.4 lbs	4.6' - 11.5' height	5.5
WM1	N/A	N/A	N/A	N/A	2.5"	1/4 - 20 and 5/8 - 11	2.2 lbs	5.75" x 9.25" x 12.38"	1.2

Proven Durability and Quality for Traditional Leveling Applications

GOL26

Automatic Optical Level

Both Horizontal/Vertical Crosshairs and Stadia Lines

Measures Level, Alignment and Estimates Distance

26x-Power Lens

For Excellent Magnification

Self-Leveling Compensator with Transport Lock

Protects Pendulum in Carrying Case Against Damage and Loss of Calibration



Horizontal Circle Graduation for Determining Angles in 1° Increments with Fine-Motion Knob

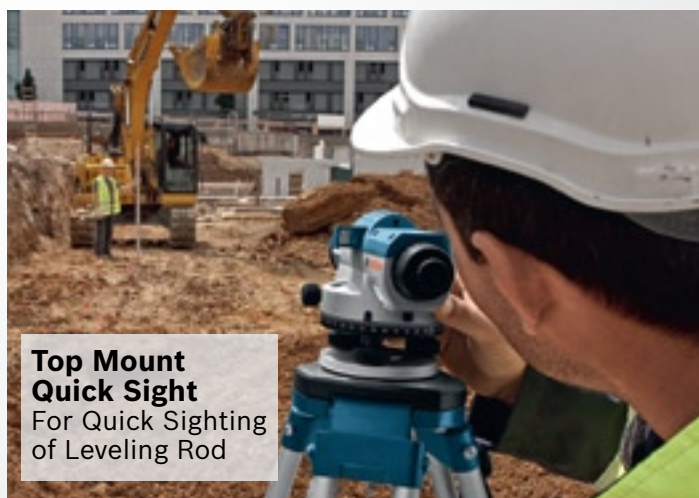
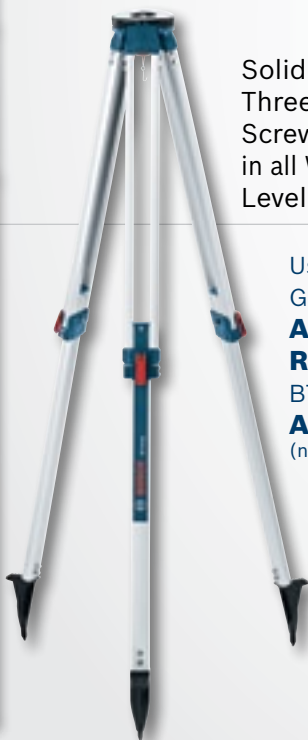
Large Aperture Allows More Light for a Sharper Image



Circular Bubble Vial with 90° Mirror for Easy, Fast Set-Up

Solid Metal Base with Three Precision Leveling Screws Provides Stability in all Weather for Precision Leveling (IP54)

Use with
GR16 **16' Telescoping Aluminum Leveling Rod** and
BT170 HD **Heavy-Duty Aluminum Tripod**
(not included)



Top Mount Quick Sight
For Quick Sighting of Leveling Rod



Measuring and Layout Tools

Laser Accessories - Optical and Rods

233

GOL26 – Automatic Optical Level



EXTERIOR



330ft
100m

- Self Leveling Compensator with Transport Lock - Protects pendulum in carrying case against damage and loss of calibration
- 26X-Power Lens - For excellent magnification
- Solid Metal Base with Three Precision Leveling Screws - Provides stability in all weather for precision leveling (IP54)
- Circular Bubble Vial with 90° Mirror - For easy, fast set-up
- Both Horizontal/Vertical Crosshairs and Stadia Lines - Measures level, alignment and estimates distance
- Horizontal Circle Graduation - For determining angles in 1° increments with fine-motion knob
- Large Aperture - Allows more light for a sharper image
- Top Mount Quick Sight - For quick sighting of leveling rod
- IP54 Dust and Water Protection - Ensures reliability in all job site conditions

Includes: Plumb Bob, Hard Carrying Case, Tool Kit

GR16 - 16' Telescoping Aluminum Leveling Rod



EXTERIOR

- Maximum Height extended - 16 feet graduated in Feet / Inches / 8ths
- Anodized Aluminum Sections - Imprinted with weather and corrosion resistant inks
- Injection Molded Sectional Joints and High Strength Locking Buttons
- Lightweight and Durable Aluminum Alloy
- Section Clamping Style - High strength locking buttons

GR500 - Aluminum Telescopic Leveling Rod



NEW

EXTERIOR

- Grad I "E" Type Metric Rod
- Maximum Height Extended - 5 meters graduated in Meters / Centimeters
- Anodized Aluminum Sections - Imprinted with weather and corrosion resistant inks
- Injection Molded Sectional Joints and High Strength Locking Buttons
- Lightweight and Durable Aluminum Alloy
- Section Clamping Style - High Strength Locking Buttons

Specifications

Model#	Accuracy	Range	Leveling Type	Mount Threading	Max Length	Graduations	Sections	Section Clamping Style	Weight (lbs.)
GOL26	Up to $\pm 1/16"$ at 100'	Up to 330'	Magnetically Dampened Compensator	5/8-11	N/A	N/A	N/A	N/A	3.7
GR16	N/A	N/A	N/A	N/A	16'	Feet / Inches / 8ths	5	High Strength Locking Buttons	4.5
GR500	N/A	N/A	N/A	N/A	5-m	Meters / Centimeters	5	High Strength Locking Buttons	4.5



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BOSCH

A New Stand in Measuring Tools: Tripods that Measure Up

BT300 HD

Heavy-Duty Aluminum Elevator Tripod



Precise Graduations

Graduated in Centimeters/ Millimeters and Feet/Inches to Facilitate Precise Changes in Elevation of the Instrument



Gear and Rack System

Main Column Height Adjustment Range of 20" with Metal Gear and Rack System for Smooth Continuous Motion



Up to 9' of Adjustable Height

Additional 25" of Height Range Available with Extension Column for a Total Height Range of 110"

Quick Clamp Release

Lightweight and Durable Aluminum Design Hinges, Clamps, and Shoe Casting

Ideal for Rotary Lasers on the Job Site



All-Surface Rubber Feet with Retractable Sharp Metal Points



Collet Locks Provide Firm, Positive Locking Action

Over 9 Feet of Job Site Stability



Measuring and Layout Tools

Laser Accessories - Tripods

235

BT300HD - Heavy-Duty Aluminum Elevator Tripod



NEW

INTERIOR EXTERIOR

110in
279 cm

- Quick Release Tripod with Two Section Adjustable Center Column
- Lightweight and Durable Aluminum Design - Hinges, clamps, and shoe casting
- Collet locks provides firm, positive locking action
- Main Elevator Column is Graduated in Centimeters/Millimeters and Feet/Inches to Facilitate Precise Changes in Elevation of Instrument.
- Main Column Height Adjustment Range of 20" (51 cm) with Metal Gear and Rack System for Smooth Continuous Motion.
- Additional 25" of Height Range Available with Extension Column for a Total Height Range of 45"
- Metal, Heavy-Duty Folding Elevator Crank Handle
- 5/8-11 Thread Stud

Includes: Heavy Duty Poly-webbing Shoulder Strap

BT170HD - Heavy-Duty Aluminum Tripod



NEW

EXTERIOR

65in
165 cm

- Lightweight Heavy Gauge Aluminum Design with Added Stability of Double Banded Legs
- Positive Locking Quick Clamp
- Electrostatic Powder-Painted Casting for a Durable and Long-Lasting Finish
- Stronger and More Rigid than Comparable Tripods
- Hinges Attached with Screws, Not Rivets
- 5/8-11 Thread Stud, Flat-Head Tripod - Universal with String Hook for Plumb Bob

Includes: Heavy Duty Poly-Webbing Shoulder Strap

BT160 - Aluminum Contractors' Tripod



EXTERIOR

63in
160 cm

- Lightweight and Durable Aluminum Design - Hinges, Clamps and Shoe Casings
- Electrostatic Powder-Painted Casting for a Durable and Long-Lasting Finish
- Positive Locking Quick Clamp
- 5/8-11 Thread Stud, Flat-Head Tripod - Universal with String Hook for Plumb Bob

Includes: Heavy Duty Poly-Webbing Shoulder Strap

Specifications

Model#	Head Type	Thread Mount	Extended Height	Closed Height	Clamping Style	Weight (lbs.)
BT300 HD	Flat, Elevator	5/8 - 11	110" (279 cm)	47" (119 cm)	Quick Clamp	16 (7.2 kg)
BT170 HD	Flat	5/8 - 11	65" (165 cm)	42" (107 cm)	Quick Clamp	12 (5.5 kg)
BT160	Flat	5/8 - 11	63" (160 cm)	38" (97 cm)	Quick Clamp	9 (4.1 kg)

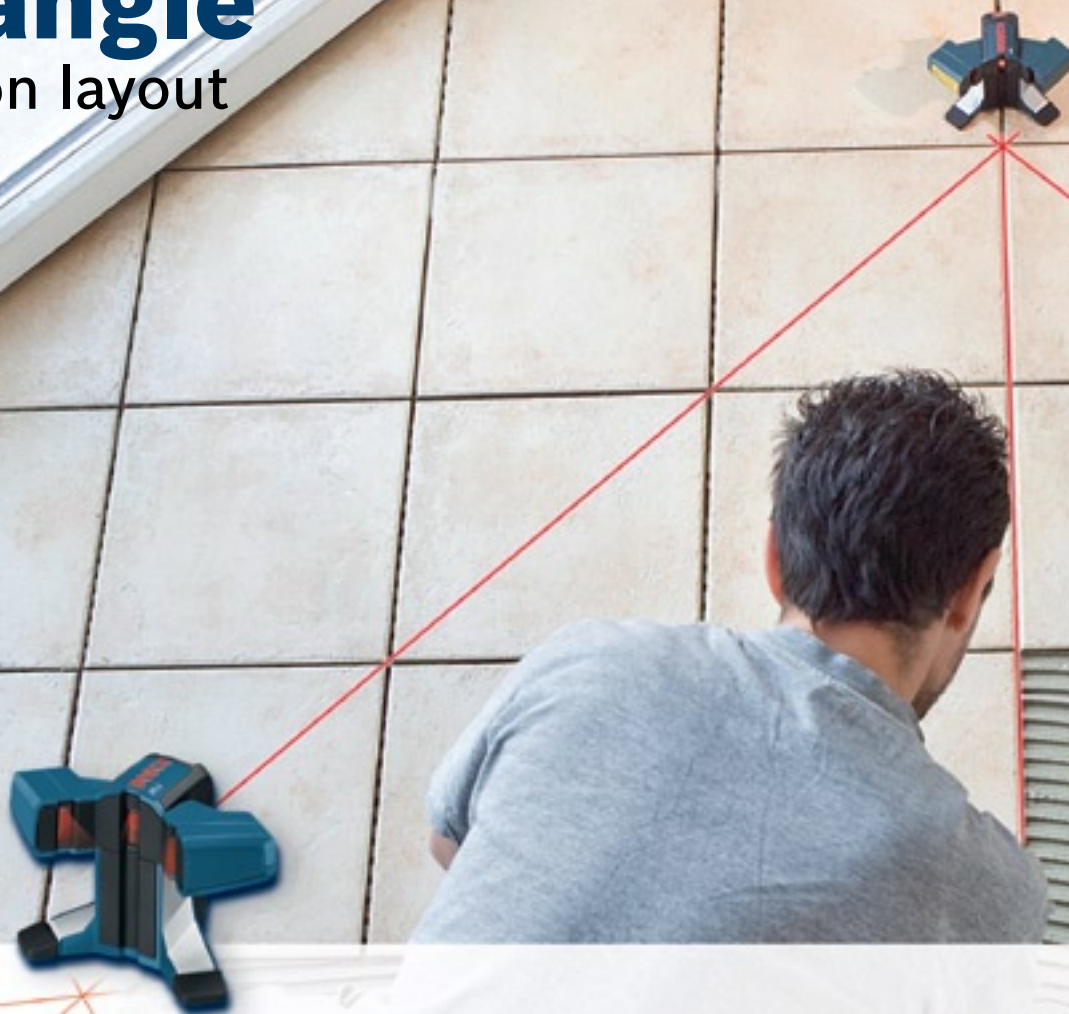


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BOSCH

A new
angle
on layout



Now you can perfect 90° and 45° wall and floor layout with the
NEW GTL3 wall/floor covering laser. For precision and durability to help you
work smarter, better, faster—take another look at the name you already know.



BOSCH
Invented for life

www.boschtools.com

Laser products shown in this catalog have the below applicable safety labels referred to by their listed classification.



IEC 60825-1:2007-03
≤1 mW @ 630-670 nm
2

Laser Radiation. Do not stare into the beam.
Class 2 Laser product.
Complies with 21 CFR 1040.10 and 1040.11 except for deviations pursuant to Laser Notice 50, 6/24/2007.
Radiación Láser. No mire al rayo.
Producto Láser de Clase 2.
Cumple con las normas 21 CFR 1040.10 y 1040.11, excepto por las desviaciones conforme al Aviso para láseres 50 del 24 de julio de 2007.
Rayonnement laser. Ne regardez pas directement dans le faisceau.
Produit laser de Classe 2.
Conforme à 21 CFR 1040.10 et 1040.11, sauf pour les écarts suivant l'Avis laser 50, 24/6/2007.



IEC 60825-1:2007-03
≤1 mW @ 630-670 nm
2M

Laser Radiation. Do not stare into the beam or view directly with optical instruments.
Class 2M Laser product.
Complies with 21 CFR 1040.10 and 1040.11 except for deviations pursuant to Laser Notice 50, 6/24/2007.
Radiación Láser. No mire hacia el rayo. No mirar con instrumentos ópticos.
Producto Láser de Clase 2M.
Cumple con las normas 21 CFR 1040.10 y 1040.11, excepto por las desviaciones conforme al Aviso para láseres 50 del 24 de julio de 2007.
Rayonnement laser. Ne pas regarder le rayon. Ne pas regarder avec instruments.
Produit laser de Classe 2M.
Conforme à 21 CFR 1040.10 et 1040.11, sauf pour les écarts suivant l'Avis laser 50, 24/6/2007.



IEC 60825-1:2007-03
≤5 mW @ 630-670 nm
3R

Laser Radiation. Avoid direct eye exposure.
Class 3R Laser product.
Complies with 21 CFR 1040.10 and 1040.11 except for deviations pursuant to Laser Notice 50, 6/24/2007.
Radiación Láser. No mirar hacia el rayo.
Producto Láser de Clase 3R.
Cumple con las normas 21 CFR 1040.10 y 1040.11, excepto por las desviaciones conforme al Aviso para láseres 50 del 24 de julio de 2007.
Rayonnement laser. Ne pas regarder le rayon.
Produit laser de Classe 3R.
Conforme à 21 CFR 1040.10 et 1040.11, sauf pour les écarts suivant l'Avis laser 50, 24/6/2007.



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For more details visit
Boschtools.com