

Professional Construction Laser InstrumentsRange 2012/2013

Precision and Functionality
For professionals from professionals



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New solutions

for new requirements



Trade and industry constantly face new challenges.

Construction projects are becoming increasingly complex and have to be implemented quickly, precisely and reliably. If you are to successfully complete these tasks, then the requirements you put on your measuring tools are also going to increase.

Bosch offers a wide range of products that meet these new requirements: small, powerful, and easy to operate. Measuring technology from Bosch is therefore no longer reserved entirely for specialists, rather it makes work easier for professional tradesmen and improves their productivity.

Developed for professionals

For years, Bosch has been working very closely with tradesmen and other users in the development of its new measuring tools. A great example of the success brought about by this cooperation is the GLM 80 Professional. This new laser rangefinder enables faster, more accurate working due to an integrated 360° incline sensor. Equipped with lithium-ion technology, it can also perform 25,000 measurements per battery charge.

Tested by professionals

All measuring tools from Bosch are tested by professionals in the toughest conditions: on major construction sites such as wind farms, which require the highest precision – even in the most adverse weather conditions.

Precision - made easy

We will continue to consistently apply this formula for success as we develop future Bosch professional blue measuring tools. We want to offer you a comprehensive range of convincing solutions for professionals from professionals.

Yours sincerely,

Martin Merchant

Measuring Technology business unit Marketing & Sales Director Europe & Asia Pacific

Michael

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Bosch Product Overview

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		GLL 2-50 Professional							•	0	• 0	•	•	0	• •	0	• (0 0	0	0	•	•	•* •	0			13
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		GOL 32 D Professional	•	• (0 0	0	С	•															•	0			
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6 | Detectors

Detectors from Bosch

Detect materials with absolute reliability



The ultra wideband radar sensor system enables exceptionally precise locating of ferrous and non-ferrous metals, electrical cables, wooden beams and even plastic pipes. The millimetre-accurate detection and the ease of use, reliably prevent drilling mistakes.

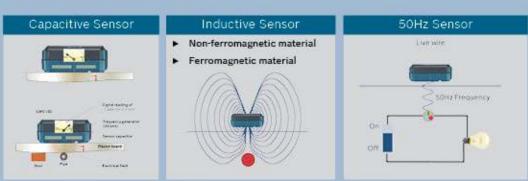
Detectable materials

	Cavities	Plastic pipes	Live cables	Iron	Non-ferrous metals	Wood
Measuring depth GMS 120 Professional	:	÷	5 cm	12 cm	8 cm	3.8 cm
Measuring depth Wallscanner D-tect 100 Professional	2	6 cm	4 cm	10 cm	8 cm	2 cm
Measuring depth Wallscanner D-tect 150 CNT Professional	6 cm	8 cm	6 cm	15 cm	15 cm	6 cm

NEW! GMS 120 Professional

The most reliable multi detector in its class

- ▶ Zoom function for even more accurate locating, thereby minimising drilling mistakes
- Locates not only metal but also wooden substructures as well as live and non-live cables
- ▶ Indicates voltage via a high-resolution 5-segment display
- Three different types of sensors.









NEW! GMS 100 M Professional

The most reliable metal detector in its class

- Calibration-free for maximum reliability
- Automatic zoom scale for the most precise detection possible
- ▶ Detectable materials: ferrous metals, non-ferrous metals, live cables



Part number	0 601 081 000
Comes complete with	1 x 9 V battery, protective pouch, pencil + hand strap
Detectable materials	Ferrous metals, non-ferrous metals, wooden substructures, power ca- bles
Max. detection depth	120 mm
Capacitive Sensor	All wooden & metal (max. up to 3.8 cms)
Inductive Sensor	All metal object (max. up to 12 cms)
50Hz Sensor	Live wires (max. 5 cms)
Automatic deactivation	5 mins
Power supply	1 X 9 V 6LR61
Dust and splash protection	
Dimensions (L/W/H)	200 x 85 x 32 mm
Weight	0.27 kg.

GMS 100 M Professional

Part number	0 601 010 055
Max. detection depth	100 mm
Detection depth, steel, max.	100 mm
Detection depth, copper, max.	80 mm
Automatic deactivation facility, approx.	5 min
Power supply	1 x 9 V 6LR61
Length	200 mm
Width	85 mm
Height	32 mm
Dust and splash protection	IP 54
Weight	0.27 kg.



More information about the professional blue measuring tools and accessories can be found at www.bosch-pt.co.in

NEW! Wallscanner D-tect 150 Professional

The future of detection technology -Precision of the highest order

- ▶ The specialist for all professionals who wish to avoid accidentally striking unwanted objects when drilling
- ▶ Ultra wideband radar sensor system provides millimetre-accurate detection of ferrous/non-ferrous metals, live cables, wooden beams and even plastic pipes (floor and wall heating systems
- Maximum detection depth of 15 cm, calibration-free
- ▶ Display of maximum permitted drilling depth and material properties
- Five different modes enable optimum detection in any building material

















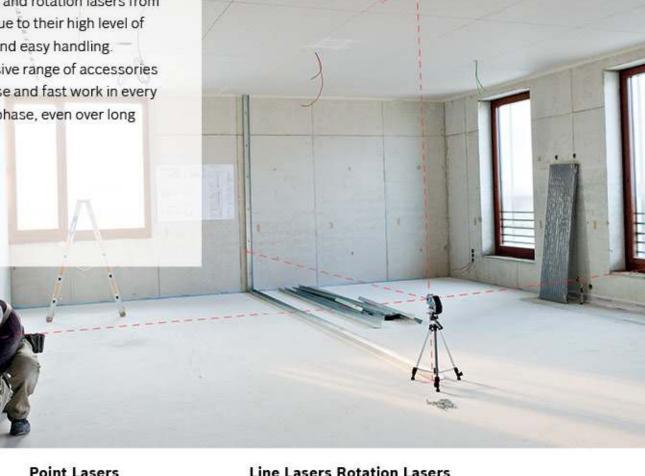
D-tect 150 Professional

Part number	0 601 010 005
Comes complete with	Protective case (1 609 203 D42), 4 x 1.5 V LR6 (AA) batteries
Detectable materials	Plastic pipes, ferrous metals, non-ferrous metals, wooden substructures, live cables
Max. detection depth	150 mm
Accuracy	± 5 mm
Automatic deactivation	5 mins
Power supply	4 x 1.5 V LR6 (AA) batteries
Dust and splash protection	IP54
Dimensions (L/W/H)	220 x 97 x 120 mm
Weight, approx.	700 g



Point, Line and Rotation Lasers from Bosch The right tool for every application

The point, line and rotation lasers from Bosch excel due to their high level of functionality and easy handling. A comprehensive range of accessories ensures precise and fast work in every construction phase, even over long distances.



	3013			ers notation		
GPL 5 Professional	GLL 2 Professional	GLL 2-50 Professional	GLL 2-80 P Professional	GLL 3-80 P Professional	GTL 3 Professional	GRL 300 HV Set Professional
				Shorter distance	es	Longer distances
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Point Lasers | 11 10 | Point, Line and Rotation Lasers

Even more Power and Precision

With the right accessory

Accessories for



LR 2 Laser Receiver

- ▶ Handy receiver for indoor and outdoor use for ranges of up to 50 m
- ▶ Alignment of the laser beam plane, visual (display and LEDs) and acoustic signals, for working in various lighting conditions
- ► Top-mounted magnets for better fixing









GLL 3-80 P Professional

GLL 2-80 P Professional

Professional



LR 1 Laser Receiver

- ► Handy receiver for indoor and outdoor use for ranges of up to 150 m in combination with GRL 300 HV Professional Rotation Laser
- ▶ Visual and acoustic alignment of the laser beam plane
- ▶ Dust and splash protection (IP54)





GRL 300 HV Set Professional

Professional



indoor work

mount

floor to the ceiling

Tested by professionals:

GPL 3 Professional point laser

▶ Self-levelling 3-point horizontal and plumb laser for

▶ Enables precise transfer of a reference point from the

▶ Wide variety of fixing possibilities using the universal

▶ Easy handling due to its very compact size

Highly compact 3-point laser -

ideal for plumb point transfer

"The GPL 3 Professional is ideal for fast and millimetre- accurate calculation of surface irregularities on floors."





Robust and Reliable

Tripods and mounts from Bosch



BM 1 Professional **Universal Mount**

BT 350 Professional **Telescopic Pole**



WM 4 Professional **Wall Mount**

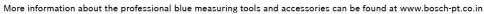


BS 150 Professional **Building Tripod**



GPL 3 Professional	
Part number	0 601 066 100
Working range	30 m*
Accuracy	± 0.3 mm/m
Self-levelling range	± 5° longitudinal axis, ± 3° transverse axis
Laser diode/class	635 nm/< 1 mW/2
Dust and splash protection	IP5X
Operating time, max.	24 h
Dimensions (L/W/H)	104 x 40 x 80 mm
Weight	0.25 kg.
Comes complete with	3 x 1.5 V LR6 (AA) batteries, multifunctional mount, protective case

*Depending on ambient brightness.



GPL 5 Professional

Highly compact 5-point laser – For easy transfer of right angles

- ► Self-levelling 5-point horizontal and plumb laser for indoor work
- ► For precise transfer of right angles and reference points from the floor to the ceiling
- ► Easy handling due to its very compact size
- ► Wide variety of fixing possibilities using the universal mount





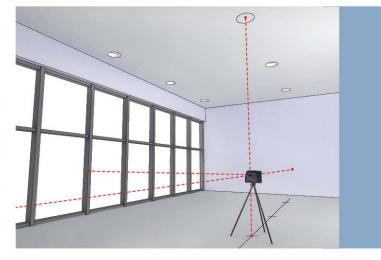


Crosshair laser technology The unique crosshair laser grid ensures optimum visibility of the laser point at medium and longer distances.



GPL 5 Professional

Part number	0 601 066 200
Comes complete with	3 x 1.5 V (AA) batteries, BM 1 Universal Mount, protective pouch
Working range	30 m
Accuracy	± 0.3 mm/m
Self-levelling range	± 5° transverse axis, ± 3° longitudinal axis
Laser diode/class	635 nm/< 1 mW/2
Dust and splash protection	IP5X
Operating time, max.	24 h
Dimensions (L/W/H)	104 x 40 x 80 mm
Weight	0.25 kg.



NEW! GLL 2X Professional

Line Laser - The quick and precise solution for diverse applications



- ► Simultaneously projects a horizontal and a vertical laser line
- ► Self-levelling and slope function
- ► Can be fixed anywhere using the clamp that comes with the tool

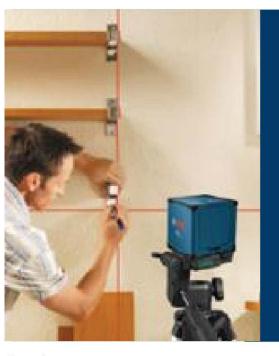


tool for users doing the basic levelling work in interior area at relatively small iob sites!



GLL 2X Professional

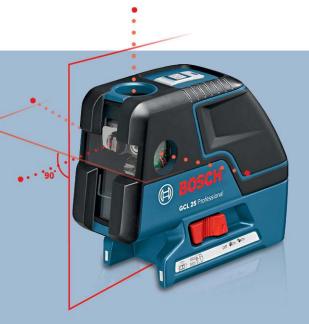
GILL IN TOTOSSIONAL	
Part number	0 601 063 A80
Levelling mode	Self levelling
Laser functions	Crossbeam laser
Projection angle	60°*
Laser type	635 nm, class 2
Working range	≥ 5 m (distance to wall)
Precision	+/- 0,5 mm/m (ex-works) @0° +/- 0,7 mm/m (ex-works) @4°
Self levelling range	+/- 4°
Leveling time	≤ 6 sec
Slope function	Yes
Batteries (included)	2x 1,5V (AAA)
Operating life time	3 h
Dimensions in mm	65 x 65 x 65
EPTA Weight	0.25 kg.
Scope of delivery	Clamp MM 2, pouch & batteries



NEW! GCL 25 Professional combi laser¹

Point and line laser in one for versatile indoor applications

- ► Compact and space-saving
- ▶ Savings for you from having to buy multiple instruments
- ▶ High accuracy and long range for professional use
- ▶ Easy to operate using intuitive user interface
- ► Robust instrument for jobsite use (IP54)









More information about the professional blue measuring tools and accessories can be found at www.bosch-pt.co.in

¹ Available from September 2012.



The GCL 25 Professional is a point laser and a line laser in one instrument. Five laser points enable plumb point transfer and horizontal reference marking. Two additional laser lines make the GCL 25 Professional the ideal combi laser for the building trade.

GCL 25 Professional

Part number	0 601 066 B00	0 601 066 B01	0 601 066 B02
Working range	Lines 10 m/Points max. 30 m*		
Accuracy	$\pm0.3\text{mm/m}$, plumb points $\pm0.5\text{mm/m}$		
Self-levelling range	Up to ± 4°		
Laser diode/class	635 nm/< 1 mW/2		
Dust and splash protection	IP54		
Operating time, max.	15 h		
Dimensions (L/W/H)	118 x 57 x 89 mm		
Weight	0.45 kg		
Comes complete with	4 x 1.5 V LR6 (AA) batteries, L-BOXX inlay, protective case	Laser target, L-BOXX inlay, 4 x 1.5 V LR6 (AA) batteries, BS 150 building tripod, protective case	Laser target, 4 x 1.5 V LR6 (AA) batteries, BM 1 universal mount, L-BOXX inlay, L-BOXX, protective case

^{*} Depending on ambient brightness.

NEW! GLL 2 Professional

Precise lines, high visibility



- ▶ High work efficiency: simultaneous performance of horizontal and vertical levelling applications in the entire room with only one tool
- ▶ Large working range: precise work in a diameter of up to 80 m using the LR 2 Professional Receiver
- ► Easy handling: self-levelling up to 4° within 4 seconds, compact design





GLL 2 Professional

GEE ET TOTCSSTOTIAL	
Part number	0 601 063 700
Levelling mode	Self-Levelling through pendulum inside
Laser diodes / Laser class	635 nm, <1 mw, Class 2
Levelling Accuracy	± 0.3 mm/m
Levelling range	Up to ± 4°
Levelling time	< 4 s
Working range	> 10 m (depending on the environment)
Pulse function	No
Line width	≤ 5 mm @ 10 m
Acoustic signal	No
Working temperature	- 10° ~ + 50° C
Storage temperature	- 20° ~ + 70° C
Ingress protection	IP 5X
Power supply	3 x 1.5 V LR6 (AA) batteries
Operating time max.	15 h
Tripod adapter	1/4" & 5/8" (through mini-mount)
Weight	ca. 250 g (incl. batteries)
Dimension (LxHxW)	80 x 42 x 96 mm



16 | Line Lasers Line Lasers | 17

GLL 2-50 Professional

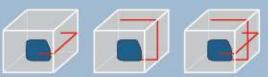
Precise lines, high visibility



- ▶ Self-levelling horizontal and vertical pendulum line laser for quick alignment of lines
- ▶ High visibility of the laser lines with a working range of 20 m (without receiver)
- ► Extremely precise with an accuracy of ± 3 mm at a distance of 10 m







More Information about the professional blue measuring tools and accessories can be found at www.bosch-pt.co.in

NEW! GLL 2-80 P Professional

Levelling in 2 x 360° -Faster and easier than ever

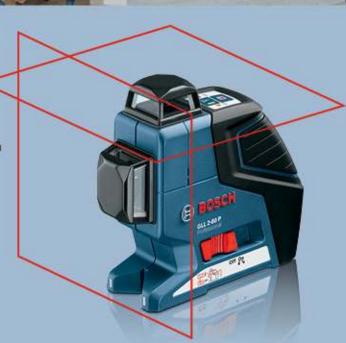


- ▶ High work efficiency: simultaneous performance of horizontal and vertical levelling applications in the entire room with only one tool
- Large working range: precise work in a diameter of up to 80 m using the LR 2 Professional Receiver
- ► Easy handling: self-levelling up to 4° within 4 seconds, compact design









GLL 2-50 Professional

Part number	0 601 063 101	0 601 063 102	0 601 063 103		
Comes complete with	Alignment disc, 3 x 1.5 V (AA) batteries, BS 150 Building Tripod, protective pouch	3 x 1.5 V (AA) batteries, BM 1 Universal Mount, carrying case	3 x 1.5 V (AA) batteries, BM 1 Universal Mount, LR 2 Receiver, 1 x 9 V battery, carrying case		
Working range	50 m (with receiver), 20 m (without receiver)	50 m (with receiver), 20 m (without receiver)	50 m (with receiver), 20 m (without receiver)		
Accuracy	± 0.3 mm/m	± 0.3 mm/m	± 0.3 mm/m		
Self-levelling range	Up to ± 4°	Up to ± 4°	Up to ± 4°		
Laser diode/class	635 nm/< 1 mW/2	635 nm/< 1 mW/2	635 nm/< 1 mW/2		
Dust and splash protection	IP54	IP54	IP54		
Operating time, max.	20 h in 1-line mode	20 h in 1-line mode	20 h in 1-line mode		
Dimensions (L/W/H)	118 x 57 x 89 mm	118 x 57 x 89 mm	118 x 57 x 89 mm		
Weight	0.45 kg.	0.45 kg.	0.45 kg.		

GLL 2-80 P Professional

Part number	0 601 063 201	0 601 063 202	0 601 063 203			
Comes complete with	Laser target, 4 x 1.5 V (AA) batteries, BS 150 Building Tripod, protective pouch	Laser target, 4 x 1.5 V (AA) batteries, BM 1 Universal Mount, carrying case	Laser target, 4 x 1.5 V (AA) batteries, BM 1 Universal Mount, LR 2 Receiver, 1 x 9 V battery, carrying case			
Working range Ø	80 m (with receiver), 40 m (without receiver)	80 m (with receiver), 40 m (without receiver)	80 m (with receiver), 40 m (without receiver)			
Accuracy	± 0.2 mm/m	± 0.2 mm/m	± 0.2 mm/m			
Solf-levelling range	Up to ± 4°	Up to ± 4°	Up to ± 4°			
Laser diode/class	640 nm/< 1 mW/2	640 nm/< 1 mW/2	640 nm/< 1 mW/2			
Dust and splash protection	IP54	IP54	IP54			
Operating time, max.	18 h in 1-line mode	18 h in 1-line mode	18 h in 1-line mode			
Dimensions (L/W/H)	158 x 54 x 141 mm	158 x 54 x 141 mm	158 x 54 x 141 mm			
Weight	0.68 kg.	0.68 kg.	0.68 kg.			

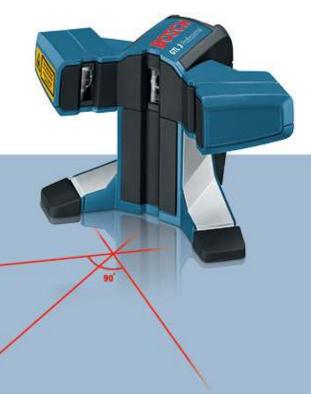
More Information about the professional blue measuring tools and accessories can be found at www.bosch-pt.co.in

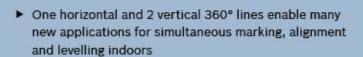
NEW! GLL 3-80 P Professional

The multifunctional line laser with 3 x 360° for all indoor applications

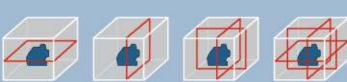
GTL 3 Professional

Fast tiling due to additional line at 45°





- ► Self-levelling (4° in 4 sec), very precise (± 0.2 mm/m) and range of up to 80 m with receiver
- ► Compact, easy-to-handle and extremely robust (IP54)













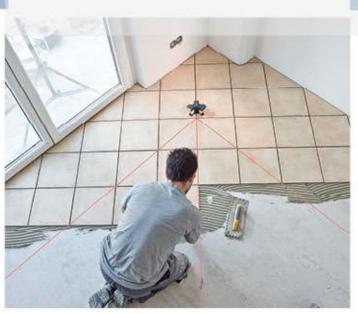
"The additional 45" line is the perfect aid for precise work, particularly renovations and refurbishment of old buildings. I was also impressed by the range of the GTL 3 Professional."





- ▶ In addition to the two laser lines at a 90° angle, it projects a third line at 45° for precise and fast alignment and laying of wall and floor tiles
- ► High accuracy of 0.2 mm/m
- ▶ Compact and lightweight design for optimum ease of use

GLL 3-80 P Professional			Available from first half of 2010
Part number	0 601 063 300	0 601 063 302	0 601 063 303
Comes complete with	4 x 1.5 V (AA) batteries, protective pouch, Laser target	4 x 1.5 V (AA) batteries, BM 1 Universal Mount, carrying case, Laser target	4 x 1.5 V (AA) batteries, BM 1 Universal Mount, LR 2 Receiver, carrying case, Laser target
Working range Ø	80 m (with receiver), 40 m (without receiver)	80 m (with receiver), 40 m (without receiver)	80 m (with receiver), 40 m (without receiver)
Accuracy	± 0.2 mm/m	± 0.2 mm/m	± 0.2 mm/m
Self-levelling range	Up to ± 4°	Up to ± 4°	Up to ± 4°
Laser diode/class	640 nm/< 1 mW/2	640 nm/< 1 mW/2	640 nm/< 1 mW/2
Dust and splash protection	IP54	IP54	IP54
Operating time, max.	18 h in 1-line mode	18 h in 1-line mode	18 h in 1-line mode
Dimensions (L/W/H)	159 x 75 x 141 mm	159 x 75 x 141 mm	159 x 75 x 141 mm
Weight	0.76 kg.	0.76 kg.	0.76 kg.



GTL 3 Professional

Part number	0 601 015 200
Comes complete with	Laser target, alignment disc, 4 x 1.5 V (AA) batteries, protective pouch
Working range with target	20 m
Angular accuracy (0° to 90° angles)	± 0.2 mm/m
Laser diode/class	635 nm/< 1 mW/2
Dust and splash protection	IP54
Operating time, max.	18 h in 2-line mode
	12 h in 3-line mode
Dimensions (L/W/H)	156 x 102 x 98 mm
Weight	0.5 kg.

20 | Rotation Lasers Optical Levels | 21

NEW! GRL 300 HV Set Professional

Easy to operate with horizontal and vertical self-levelling

- ► Easy to operate thanks to single-button function and self-explanatory display
- ► Easy to set up in both the horizontal and vertical modes due to automatic self-levelling (± 5°)
- ► Safe working thanks to shock warning function in the event of shocks













GRL 300 HV Set Professional

Protection against water and dust IP 54

GRL 300 HV Professional

Part number	0 601 061 503	0 601 061 502		
Comes complete with	Rotation Laser, Laser Receiver (LR1 Prof.), Remote Control (RC 1 Prof.), Wall Mount (WM 4 Prof.), Compartment for alkaline bat- teries 2 x 1.5 V LR20 (D), Target Plate and laser glasses, Instruction manual & Short user manual, Carrying case with EPP foam			
Working range (diameter)	300 m	300 m		
Levelling Accuracy	0.1 mm/m	0.1 mm/m		
Rotation speed	150, 300, 600 rpm	150, 300, 600 rpm		
Scan function	10°, 25°, 50° / 0°	10°, 25°, 50° / 0°		
Operating temperature	-10 °C +50 °C	-10 °C +50 °C		
Storage temperature	-20 °C +70 °C	-20 °C +70 °C		
Operating life time	30h (NIMH)/50h Alkaline	30h (NIMH)/50h Alkaline		
Battery (scope of delivery)	2 x 1.2 V HR20 (D) (9 Ah) / 2 x 1.5 V LR20 (D)	2 x 1.2 V HR20 (D) (9 Ah) / 2 x 1.5 V LR20 (D)		
Drop test resistance	Yes, due to aluminum cage	Yes, due to aluminum cage		

Optical Levels from Bosch

Precise and extremely robust

The optical levels from Bosch excel due to their high precision and great reliability. The tried-and-tested tripods make levelling easier and can be set precisely and reliably, which makes them perfect for use in tough conditions on the construction site.



GOL 26 D Professional

Extremely robust for outdoor use

- ▶ Designed for outdoor use due to sturdy metal housing with dust and splash protection (IP54)
- ▶ Robust design with built-in target collimator and integrated circular vial
- ► Carrying case with compensator lock for safe transport



Part number	0 601 068 000
Comes complete with	Lens cover, Plumb bob,
	Allen key,
	Adjusting pin,
	Carrying case
Unit of measure	360 degrees
Deviation for 1 km run leveling	1 mm
Working range	Up to 100 m
Magnification	26x
Levelling accuracy	1.6 mm at 30 m
Dust and splash protection	IP 54
Dimensions (L/W/H)	215 x 135 x 145 mm
Weight	1.7 kgs



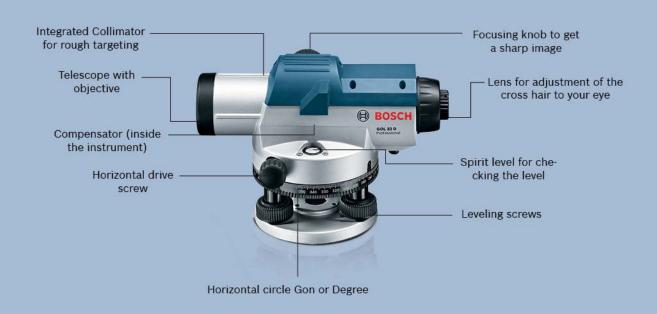
long distances

RC 1 Professional

The GRL 300 HV can be used up to a 22 | Optical Levels

The NEW! GOL 32 D Professional

The robust solution for precise leveling at long distance



User Benefits

- ▶ Extremely robust for tough outdoor application
- ▶ 32x magnification for precise work at longer distance
- Collimator and bubble vial are built into the housing for greater durability.

GOL 32 D Professional

Part number	0 601 068 500
Magnification	32X
Levelling accuracy	1 mm/30 m
Working range	120 m
Field of view	1°30'
Compensator levelling range	±15'
meet	IP54
Weight	1.7 kgs.



4

Laser Rangefinders from BoschMore range, more functionality





Maximum precision
over the entire lifetime
due to tough ceramic
optics carrier.



Maximum measurement performance

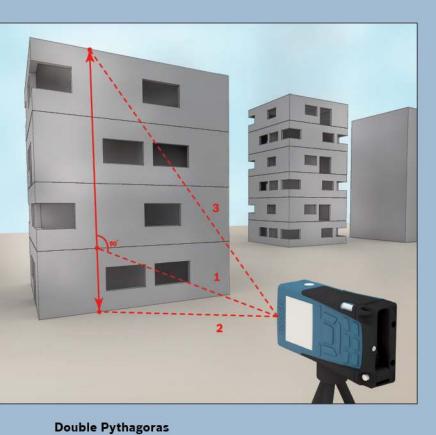
even in adverse lighting conditions, due to large glass lens.

Laser Rangefinders from Bosch achieve the best scores in every performance segment. They have a wall area function up to a range of 70 m and additional functions and features in the 150 m and 250 m performance segments, which include partial height measurement and calculation of the heights of buildings from every imaginable position.

24 | Laser Rangefinders | 25

The functions

of the laser rangefinders







Trapezium function for measuring roof slopes.





Combined Pythagoras for partial height measurement



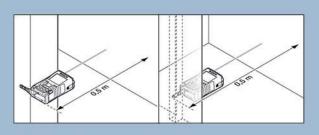
Timer function

152.467_m 36.972_m 6.245_{6 m}

228.421m

GLM 250 VF Professional

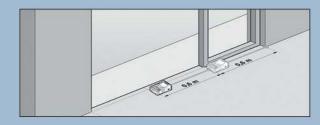
for delayed measurement from hard-to-reach areas where the laser rangefinder cannot be prevented from moving when the button is pressed.



Multifunctional measuring pin

with 2 fixed locking positions at 90° and 180° for precise measurements in all situations.

The 90° locking position is for measurements from corners and the 180° locking position is for measurements from outer walls and edges.





Stake-out function

for marking repetitive distances.

Laser Rangefinders at a glance

for convenient height calculation in hard-to-reach areas

and from tripods.

	Simple distance measur ement	Continuous measure- ment	Minimum/ Maximum measure- ment	Area meas- urement	Volume measure- ment	Single Pythagoras measure- ment	Indirect Distance measurement	Incline measurement	Double Pythagoras measure- ment	Combined Pythagoras measurement	Trapezi- um func- tion	Wall area function	Timer function	Stake-out function	Addition / Sub- traction of measured val- ues			Telescopic viewfinder
DLE 40 Professional	•	•	٠	•	•	٠	,								•	1.	0	
GLM 50 Professional	•	•	•	•	•	•									•	1	•	
GLM 80 Professional	•	6	•	0	•	•	•	•	•				•		•	20+1	•	
GLM 150 Professional	•	•	•*		•	•			•	•	Ō	•	•	•	•	30	•	
GLM 250 VF Professional	•	•	•*	•	<u> </u>	•			•	•	•	•	Ō	•	• * Can b	30	•d with of	• ther functions.

26 | Laser Rangefinders | 27

DLE 40 Professional

Precise measurement at top speed

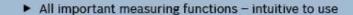


- Modern laser technology for precise measurement up to 40 metres
- Measures up to ten times faster using wall area, minimum and maximum functions
- ► Tool fits into any shirt pocket



GLM 50 Professional

Precise measurement at top speed



- ff Large, automatically illuminated three-line display for the best visibility
- Softgrip all-round protection and robust design for tough jobsite conditions





Minimum/maximum function:

The minimum/maximum function is a continuous measurement function for determining the shortest or longest distance from a measuring point. It enables for example, accurate measurement of room diagonals and provides the initial values for installations in rooms with sloping walls



Tested by professionals:

"The GLM 50 Professional offers the most important functions and is well protected for day-to-day jobsite use."



DLE 40 Professional

DLE 40 Professional	
Part number	0 601 016 370
Measuring range	0.05-40 m
Typical Measuring accuracy	± 1.5 mm
Laser Class	2
Lowest Indication Unit	1 mm
Laser Type	635 nm, < 1mW
Battery Service Life, (approx.) (Lower for Rechargeable Batteries)	30000 Individual measurements 5000 Continuous measurement
Power Supply Batteries Rechargeable Batteries	4 x 1.5 V L R03 (AAA) 4 x 1.2 V L R03 (AAA)
Dust and splash protection	IP54
Automatic Switch off after (approx.)	20 s (laser) 5min. (tool)
Tripod adapter	1/4"
Dimensions (L/W/H)	100 x 58 x 32 mm
Weight	180 gms.



GLM 50 Professional

manufacture and a second	0.504.072.200
Part number	0 601 072 200
Measuring range	0.05-50 m
Measuring accuracy, typ.	± 1.5 mm
Laser class	2
Laser diode	635 nm, < 1 mW
Individual measurements per set of batteries	10,000
Weight, approx.	0.14 kg
Dimensions (L/W/H)	114 x 53 x 31 mm
Dust and splash protection	IP54
Comes complete with	Protective case, 2 x 1.5 V (AAA) bat- teries, manufacturer's certificate



28 | Laser Rangefinders | 29

GLM 80 Professional laser rangefinder

The high-tech solution for easy measurement

- ▶ New functionality due to integrated 360° incline sensor
- Precise and easy to operate due to illuminated displaywhich flips automatically depending on the orientation of the instrument
- Maximum freedom due to lithium-ion technology up to 25,000 measurements per charge. Can be recharged viastandard micro USB portet



GLM 80 Professional laser rangefinder + R 60 Professional

The inclinometer that also measures distances

- Modern laser technology for precise measurement up to 40 metres
- Measures up to ten times faster using wall area, minimum and maximum functions
- ► Tool fits into any shirt pocket





Indirect height measurement made easy – just a push of a button

Aim the laser rangefinder at the top edge of the object. The incline sensor automatically detects the angle of inclination, and the instrument calculates the corresponding height using the sine law. Obstacles in the measuring area are no longer a problem.



Tested by professionals:

"Combining the GLM 80 Professional with the R 60 Professional measuring rail transforms it into a digital spirit level, enabling you to measure distances, level and precisely measure inclines all with the same instrument."



GLM 80 Professional

Part number	0 601 072 300
Measuring range	0.05-80 m
Measuring accuracy, typ.	± 1.5 mm
Laser class	2
Laser diode	635 nm, < 1 mW
Incline measurement	± 60° vertical/360° horizontal (4 x 90°)
Accuracy of incline measurement	± 0.2°
Individual measurements per battery charge	25,000
Weight, approx.	0.14 kg
Dimensions (L/W/H)	111 x 51 x 30 mm
Dust and splash protection	IP54
Comes complete with	Protective case, micro USB charger, manufacturer's certificate



Clicking the GLM 80 Professional into the specially developed R60 Professional measuring rail turns it into a digital inclinometer. The integrated rail detection ensures that the instrument switches to incline measurement mode when it is switched on. Rafters, for example, can be checked or cabinetry can be levelled with an accuracy of up to ± 0.2°.

GLM 80 + R 60 Professional

GLM 80 + R 60 Professiona	11
Part number	0 601 072 301
Measuring range	0-360° (4 x 90° inclines)
Accuracy of incline measurement	± 0.2°
Weight	0.14 kg/0.6 kg (GLM 80/R 60)
Axis 1: ±60°; Axis 2: 4x90°-360	111 x 51 x 30 mm (GLM 80)
Dimensions (L/W/H)	610 x 58 x 30 mm (GLM 80 + R 60)
	Protective case, micro USB charger, manufacturer's certificate, R 60
Comes complete with	measuring rail



More information about the professional blue measuring tools and accessories can be found at www.bosch-pt.co.in

More information about the professional blue measuring tools and accessories can be found at www.bosch-pt.co.in

GLM 150 Professional

More functionality and convenience for indoor work



- New functions such as partial height measurement, height calculation and roof slope measurement
- ► Millimetre-accurate measurement of areas, volumes and distances up to 150 m
- ► Easy handling, intuitive user interface and large, concise 4-line display



GLM 150 Professional

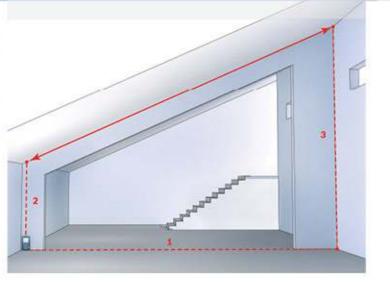
Part number	0 601 072 070				
Comes complete with	4 x 1.5 V (AAA) batteries, carrying strap, protective pouch, manufacturer's certificate				
Measuring range	0.05-150 m				
Measuring accuracy	± 1.0 mm				
Battery lifetime, (approx.) - Individual measurements	30.000				
- Continuous measurement	5 h				
Dust and splash protection	IP54				
Dimensions (L/W/H)	120 x 66 x 37 mm				
Weight	0.24 kg.				



Tested by professionals:

"Speed is what counts in exhibition fitting.

The GLM 150 Professional is intuitive to handle and masters all important measuring functions."



GLM 250 VF Professional

The laser rangefinder with the longest range





Integrated telescopic viewfinder

for optimum visibility of the laser point up to a distance of 250 m

- Maximum measurement performance and precision, even in adverse lighting conditions, due to large glass lens and ceramic optics carrier
- Numerous easy-to-operate measurement functions for fast and accurate calculation of distances, areas and volumes
- Robust for use on the construction site due to dust and splash protection of IP54



Tested by professionals:

"We deal with long distances in stadium construction. The integrated telescopic viewfinder works perfectly even in adverse lighting conditions."



GLM 250 VF Professional

Part number	0 601 072 170
Comes complete with	4 x 1.5 V (AAA) batteries, carrying strap, protective pouch manufacturer's certificate
Integrated telescopic viewfinder	Yes
Measuring range	0.05-250 m
Measuring accuracy	± 1.0 mm
Battery lifetime, (approx.) - Individual measurements - Continuous measurement	30,000 5 h
Dust and splash protection	IP54
Dimensions (L/W/H)	120 x 66 x 37 mm
Weight	0.24 kg.



Angle Measurers and Inclinometers from Bosch

Precise measurement, transfer and easy alignment



DWM 40 L Professional

Exceptionally accurate angle measurement

- Faster, more precise and more efficient calculation of angles
- Exact transfer of angles onto workpieces: extremely high, lasting accuracy due to integrated, wear-free and temperatureindependent precision angle sensor





DNM 60 L/120 L Professional

Robust inclinometer



- Measures angles in and inclines in or mm/m
- Direction arrows display the deviation to the horizontal or vertical
- Acoustic signal transmitter at 0° and 90° for easy alignment



Angle measures and inclinometers from Bosch are truly professional measuring tools - whether measuring roof pitches, fitting furniture or windows, laying pipes or landscaping.

	DWM 40 L Professional	DNM 60 L Professional	DNM 120 L Professional
Part number	0 601 096 603	0 601 014 000	0 601 014 100
Comes complete with	4 x 1.5 V (AA) batteries	1 x 9 V battery, protective bag	1 x 9 V battery, protective bag
Measuring range	0°-220° (angles)	0°-360° (4 x 90° inclines)	0°-360° (4 x 90° inclines)
Measuring accuracy			
Angle/Vial	± 0.1°/± 0.05°	-/± 0.05°	-/± 0.05°
Electronics 0°/90°	\$ 7.	± 0.05°	± 0.05°
Electronics 1°-89°	1 -0 6	± 0.2°	± 0.2°
Dimensions (L/W/H)	432 x 33 x 60 mm	600 x 25 x 60 mm	1,200 x 25 x 60 mm
Weight	1.1 kgs.	0.7 kg.	1.3 kgs.

34 | Laser Levels | 35

6

Floor Surface Levels

The state-of-the-art tool for checking floor flatness

NEW! GSL 2 Professional floor surface laser

The first solution specifically for checking floor flatness – quickly and reliably

- Rotates 360 degrees to completely check the flatness of the entire surface quickly
- Displays surface irregularities precisely using a simple principle: one line = flat, broken line = not flat
- Set version is motorised and supplied with a remote control for ease of use
- Ideal for site managers, composition floor layers, surveyors and all flooring trades





The laser head of the GSL 2 Professional can be swivelled 360° using a remote control. This enables large surfaces to be checked quickly and reliably. In the basic version, the instrument is turned manually.



Surface irregularities can be detected accurately to the millimetre using a target (accessory). For maximum precision when rectifying irregularities



Target (accessory)



Remote control (set version)



The GSL 2*
Professional can
be operated both with the
10.8 V lithium-ion battery
pack and with 4 x 1.5 V AA
alkaline batteries.





Two lines are projected parallel to each other on the floor. If the floor covering is flat, the two lines appear as one line. If it is not flat, both lines are visible.

GSL 2 Professional

Part number	0 601 064 000	0 601 064 001
Working range	20 m	
Accuracy	± 0.3 mm/m	
Self-levelling range	Up to ± 4°	
Laser diode/class	5 mW/3 R	
Dust and splash protection	IP54	
Operating time, max.	15 h	
Weight	With batteries approx. 1.5 kg	
Comes complete with	4 x 1.5 V LR6 (AA) batteries, protective case, viewing glasses, user manual, LBOXX, target	4 x 1.5 V LR6 (AA) batteries, protective case, viewing glasses, user manual, L-BOXX, 10.8 V lithium-ion battery, RC 2 remote control, target



* Set version only

36 | Technical Specifications | 37

Technical Specifications at a glance

Detecto	ors October	Defectable macrinis	į	Power Supply	Molenz	Olmensions (L.M.H.)	
Wallscanner GMS 120 Professional	120 mm	Ferrous metals, non-ferrous metals, wooden substructures, power cables		1 X 9 V 6LR61	0.27 kg.	200 x 85 x 32 mm	7
Wallscanner D-tect 100 Professional	100 mm	Plastic, cables of all kinds, fer- rous, non-ferrous metals, wood, cavities	IP54	4 x 1.5 V LR6 (AA)	0.8 kg	273 x 98 x 100 mm	8
Wallscanner D-tect 150 Professional	150 mm	Plastic, ferrous metals, non-ferrous metals, wooden substructures, power cables	IP 54	4 x 1.5 V LR6 (AA)	0.7 kg.	220 x 97 x 120 mm	8

Point La	asers	Working Page of Asser Crosse of	Sc Mochael	Selfler	Prote Salle	Power supply	Tripod	mount Weight	Omenstons (C. WHY)	200
GPL 5 Professional	30 m	-	± 0.3 mm/m	± 3° ± 5°	IP5X	3 x 1.5 V LR6 (AA)	1/4", 5/8"	0.25 kg.	104 x 40 x 80 mm	11

Line La	sers	American School	(capelling accuracy	Self	In Dro. Relling Fange	Power supply	Zilbou	Mount	Olmensions (LWIH)	39
GLL 2 Professional	10 m	9/2	± 0.3 mm/m	± 4°	IP 5X	3 x 1.5 V LR6 (AA)	1/4*, 5/8*	ca 0.25 kg	80 x 42 x 96 mm	12
GLL 2-50 Professional	50 m*	545	± 0.3 mm/m	± 4°	IP54	3 x 1.5 V LR6 (AA)	1/4**	0.45 kg	118 x 57 x 89 mm	13
GLL 2-80 Professional	Ø80 m	:=	± 0.2 mm/m	± 4°	IP54	4 x 1.5 V LR6 (AA)	1/4", 5/8"	0.68 kg	158 x 54 x 141 mm	14
GLL 3-80 Professional	Ø80 m	72	± 0.2 mm/m	± 4°	IP54	4 x 1.5 V LR6 (AA)	1/4", 5/8"	0.76 kg.	159 x 75 x 141 mm	15
GTL 3 Professional	20 m	± 0.2 mm/m	-	-	IP54	4 x 1.5 V LR6 (AA)	-	0.50 kg.	156 x 102 x 98 mm	16

^{*} Depending on ambient brightness.

IP protection classes

IP54 - Protection against harmful dust deposits. The intrusion of dust is not prevented completely, but the functioning of the device must not be compromised (dust-protected). Protection against water coming from all directions (splashing). IP66 - Protection against dust intrusion (dustproof). Protection against heavy seas or strong water jets.

Rotation Lasers	8 3	Acquiracy Serv	Seralling range	10 protection cu.	Naches sono	Tripogia	Meleh	Olmensons (L'MMH)	20 Per 10
GRL 300 HV Set Profes- sional	300 m ±	0.1 ± 5° m/m		2 x P54 (N 2 x	(1.2 V KR20 (D) iMH batteries), (1.5 V LR20 iono cells)	5/8"	1.8 kgs.	190 x 180 x 170 mm	17
Optical Levels	Working Falle	Unitofinessure	Magnific	I prope	Toensul & scoringo	Tribod	tunou.	Omensions (CW/H)	Q 250
GOL 26 D Professional	100 m	360 de- grees	26x	IP54	1.6 mm at 30 m	5/8"	1.7 kgs.	215 x 135 x 145 mm	18
Range- finders	We sawlife Falle	We asuming a cours	New Comety	Post of the Control o	Power supply	Pooli	Weight	Olmersions (Churh)	P. See
DLE 40 Professional	0.05-40 m	± 1.5 mm	1 -	IP54	4 x 1.5 V LR03 (AAA)	1/4"	0.18 kg.	100 x 58 x 32 mm	22
DLE 70 Professional	0.05-70 m	± 1.5 mm	1 -	IP54	4 x 1.5 V LR03 (AAA)	1/4"	0.18 kg.	100 x 59 x 32 mm	23
GLM 150 Professional	0.05-150 m	± 1 mm	30 -	IP54	4 x 1.5 V LR03 (AAA)	1/4"	0.24 kg.	120 x 66 x 37 mm	24
GLM 250 VF Professional	0.05-250 m	±1 mm	30 Ye:	i IP54	4 x 1.5 V LR03 (AAA)	1/4"	0.24 kg.	120 x 66 x 37 mm	25
Angle Me urers and clinomete	In-	Meagin	Semore auto		And Samo		Welke	Omensions (LWH)	Que
DWM 40 L Professional	0°-220° (ang	(les) ± 0.1°	°/0.05° (angle/via	4 x 1.5 V LR6	(AA)	1.1 kgs.	432 x 33 x 60 mm	26
DNM 60 L Professional	0°-360° (4 x inclines)			ronics 0°, onics 1°-8			0.7 kg.	600 x 25 x 60 mm	27
DNM 120 L Professional	0°-360° (4 x inclines)			ronics 0°, onics 1°-8			1.3 kgs.	1,200 x 25 x 60 mm	27

Accessories Specifications at a glance

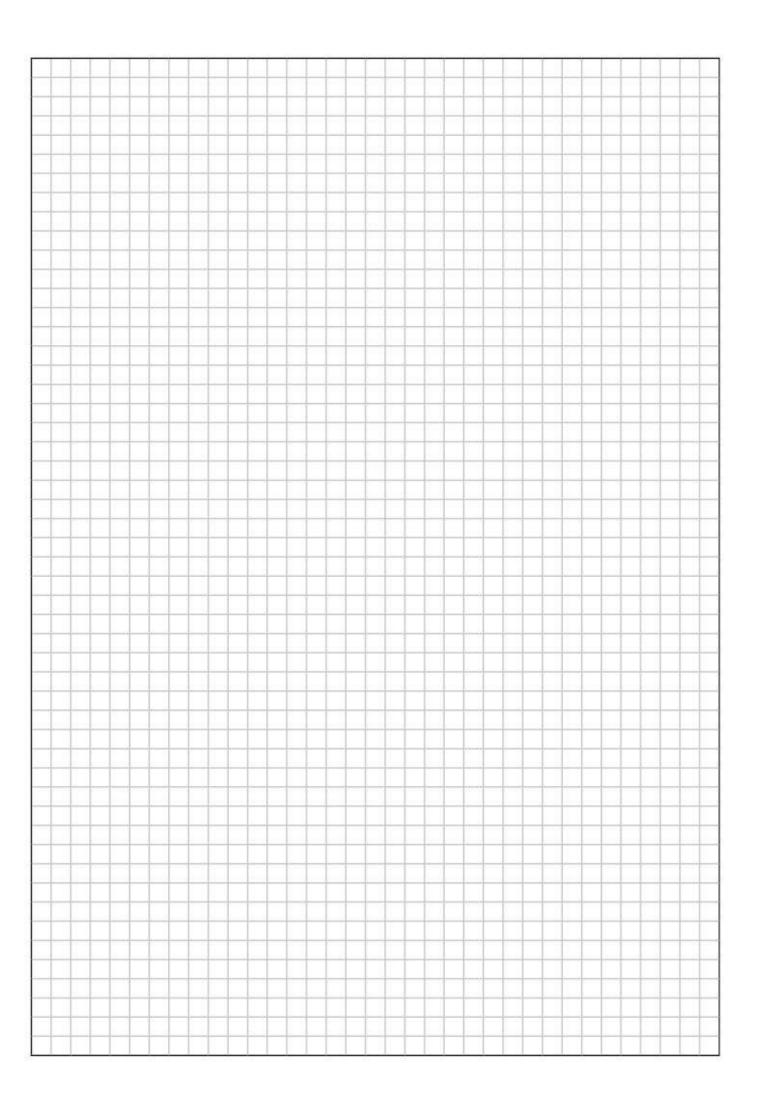
Laser receivers/ Remote controls LR 1 Professional 0-200 m 0 601 015 400 Laser Receiver LR 2 Professional GLL 3-80 P; GLL 2-80 P; 1 x 9 V 6LR61 IP54 0.20 kg. 5-50 m 0 601 069 100 3 mm GLL 2-50 Professional Laser Receiver RC 1 1 x 1.5 V LR6 Professional 0-30 m - 0.069 kg. GRL 300 HV Professional 0 601 069 300 Remote Control **Building tripods** GPL 5 C; GPL 5; GPL 3; BS 150 GLL 3-80 P; GLL 2-80 P; Professional 52-147 cm GLL 2-50; GLM 250 VF; 0 601 096 974 **Building Tripod** GLM 150; DLE 70 Professional GPL 5 C; GPL 5; GPL 3; GLL 3-80 P; GLL 2-80 P; GRL 300 HV; BL 200 GC; BT 160 GOL 26 G/D Professional Professional 4.1 kgs. 0 601 091 200 97-160 cm 5/8" x 11 **Building Tripod** With adapter: GLL 2-50; GLM 250 VF; GLM 150; DLE 70 Professional BT 170 HD GPL 5; GLL 2; GLL 3-80 P; Professional 107-165 cm 5/8" x 11 GLL 2-80 P; GRL 300 HV; 0 601 091 300 **Building Tripod** GOL 26 D Professional 5/8" to 1 609 203 C10 Tripod adapter All laser rangefinders 1/4"

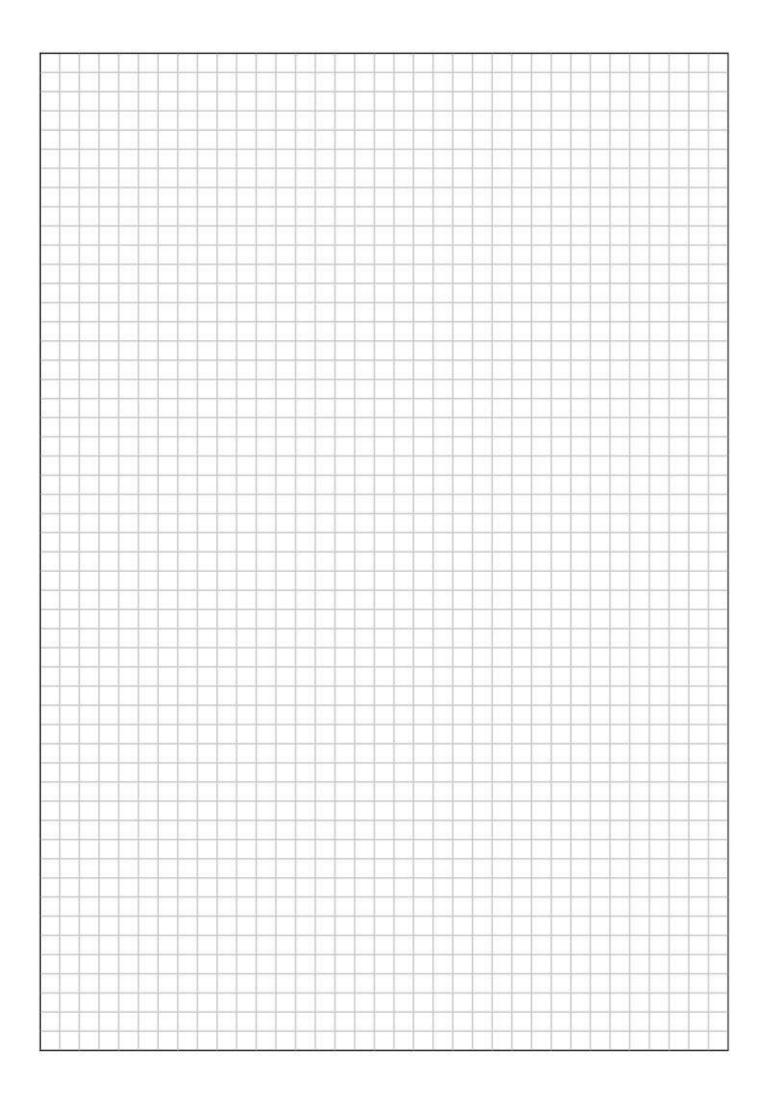
Accessories Specifications at a glance

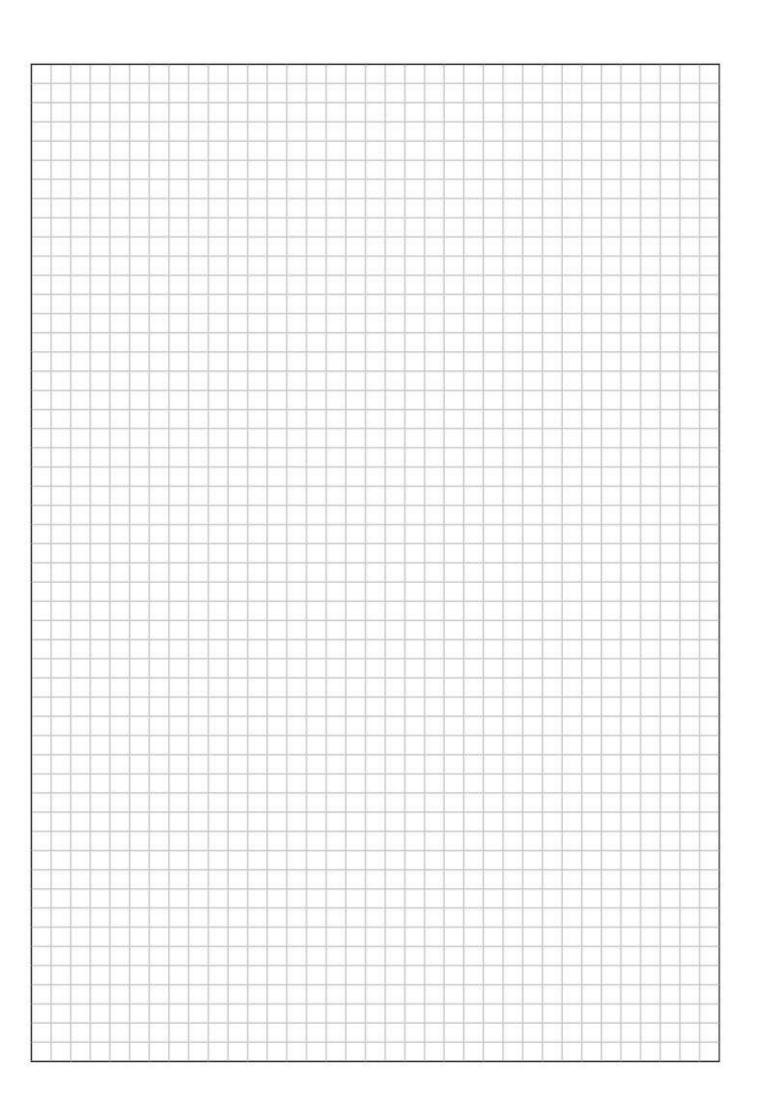
Wall mo Measuri Others	unts/ ng plates/		Woleht	Surable for	Par number
1	WM 4 Professional Wall Mount	 Versatile fixing of the mount Height adjustment with locking device for safe and precise alignment 	0.7 kg.	GRL 300 HV Professional Ideal also in combination with the BT 350 Professional Telescopic Pole	0 601 092 400
	BM 1 Professional Universal Mount	 Versatile fixing of the mount Height adjustment with locking device for safe and precise alignment 	0.5 kg.	GPL 5 C; GPL 5; GPL 3; GLL 3-80 P; GLL 2-80 P; GLL 2-50 Professional Ideal also in combination with the BT 350 Profes- sional Telescopic Pole	0 601 015 A00
Later Target	Ceiling plate	 Suitable for improving the visibility of the laser beam Including magnet for direct mounting 	1 5 2	All laser measuring tools	2 607 001 301
	Measuring plate	 Suitable for better alignment of the laser and as a marking aid for transferring the laser beam to walls and floors 		All laser measuring tools	2 607 002 195
	Laser target	Suitable for better reflection of the laser beam, for example when measuring out- doors in bright sunlight	X # 3	GLM 250 VF; GLM 150; DLE 70 Professional GLM 80 Professional	2 607 001 391
	Laser viewing glasses	 Improve the visibility of the laser beam, therefore making it easy to work in adverse lighting conditions 		All laser measuring tools	2 607 990 031
2001	Arm extension	► For measuring on short contact surfaces and in hard-to-reach areas	(see)	DWM 40 L; GAM 220 MF Professional	2 607 001 312

Accessories Specifications at a glance

Rods/Sta	ıffs	Work height Dimensions	Sections	Welch	Sulfable for	Par number
-	GR 240 Professional Cut & Fill Rod	Up to 2.4 m	2	1.30 kgs.	GRL 300 HV; Professional	0 601 094 100
	GR 500 Professional Levelling Staff	Up to 5 m	5	1.98 kgs.	GOL 26 D Professional	0 601 094 300
	BT 350 Professional Telescopic Pole	140-350 cm	3	2.5 kgs.	GPL 5; GLL 3-80 P; GLL 2-80 P Professional Ideal also in combination with the BM 1 Professional Universal Mount	0 601 015 B00







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