Type LAPR 100: Self-levelling pendulum rotation laser.



• With STABILA's automatic pendulum rotation laser, you can work at an unbelievable speed with the greatest accuracy.

• Once erected, the unit is immediately ready for use.

The self-levelling range of 1° enables the unit easily to be adjusted for large irregularities of up to 9° by inclining the casing manually.
The whole laser casing is

fitted with slip-on covers on the high-grade steel handles. • This type of construction enables the laser beam to be adjusted vertically by approx. 12 cm directly on the unit.

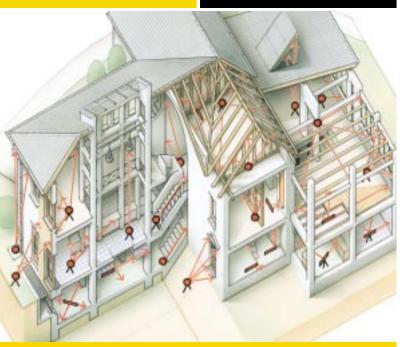
• The rotary laser beam, together with the receiver, also enables you to work without a problem over large distances outdoors.

Supplied complete with rotation laser Type LAPR 100 with point and line mode, laser goggles, target plate with measuring rod and receiver. In a strong plastic carrying case.

Laser	Output	Laser	Horizontal	Receiver	Battery	Art.
class		wavelength	accuracy	range*	life	No.
2	< 1	635 nm	± 0,3	90 m	approx.	15583/4
	mW		mm/m		16	
					hours	

* At 21°C, under optimum atmospheric conditions

STABILA° .sets standards



Check whether laser measurement technology would be useful for you!

Laser measuring instruments have conveniently revolutionised the construction, renovation and refurbishment industries.

There are three reasons for this: 1. Laser measuring instruments work very precisely at all distances. 2. They facilitate hand rotation measurements, which previously required time-consuming stages. 3. By using them a single person can take measurements where otherwise, without a laser measuring instrument, two or three people would be required. Anyone deciding to purchase a high quality laser measuring instrument will reap the benefits from it for many years, from hanging pictures to building complete houses, or vice versa. Just like any precision instrument, a good laser measuring instrument never comes cheap but it is a highly profitable investment in precision, safety and time saving. This guide-booklet is designed to help you to determine your own personal requirements so that you can be sure you are making the right investment.

Laser function	Point function	Point function with 90°	Line function	Plumb-line function	Rotation function	Point function e.g. laser spirit le Penta prism
	0	-		4	Ð	
Measurement procedure	The laser beam is visible as a dot on the viewed surface.	The laser beam emerges at an angle of 90° to the horizontal.	The lens projects the laser beam as a line on floors, walls and ceilings.	Transfers a determined point from the floor to the ceiling.	The laser beam rotates horizontally 360° around its vertical axis.	
Application range	Horizontal levelling: e.g. installing walls, aligning windows, laying out sockets and switches, aligning cupboards, furniture, pictures	Vertical levelling: e.g. installing partitions, erecting roofs, building car ports and pergolas, tiling	Vertical projection: e.g. aligning wall panelling, marking stud partitions, extending roof pitch lines	Transferring measurement points: e.g. designing lighting assemblies, establishing ceiling piercings and stairways holes	Horizontal levelling: e.g. surveying excavation floors, levelling ready-made components and floorings, installing ceilings and shafts	Line function e.g. automatic lir
Laser measuring instruments	 Laser spirit level Manual point laser Automatic point laser 	 Laser spirit level with 90° Penta prism rotation for all point functions Manual point laser Automatic point laser 	 Laser spirit level with line function Manual line laser Automatic line laser 	 Manual point laser with plumb-line function Automatic point laser with plumb-line function 	 Laser spirit level on base plate Manual rotation laser Automatic rotation laser 	Plumb-line fre.g. manual poin

Laser functions, application range and types of laser measuring instruments. There are five different laser functions, enabling you to use these modern measurement techniques with extreme versatility. There are also different types of laser measuring instruments with different combinations of functions. Stabila, an international leader in the manufacture of laser measuring instruments with over 100 years of tradition, builds the correct instrument for each application – from laser spirit levels to fully automatic rotation lasers.

What do you measure - now and in the future?

Point function

e.g. laser spirit levels

Rotation function

e.g. automatic rotation lasers

on with 90 levels with 90° **Checklist:** 1. Please tick here the activities you wish to pursue now and in the future. 2. Then add the number of the coloured squares – arranged according to colour. 3. Transfer the sum to the evaluation list. Graphics explaining the measurement activities in greater detail are provided on the back page.

	Site development/excavations/		6. Align wall in
	drainage work/foundations		•
٦	1. Survey excavation walls		7. Establish wa
_	• · · · · · · · · · · · · · · · · · · ·	_	
٦	2. Determine pipe descents		8. Level parap
	• •		• •
	3. Align building corners, mark strings,		9. Align pre-ca
	excavations		air conditionin
			• •
	 Establish excavation floors 		10. Level staire
	•		ways – determ
٦	5. Determine embankment heights		
	• · · · · · · · · · · · · · · · · · · ·		11. Produce be
٦	6. Survey pit linings	. —	•
			12. Align ready
٦	7. Determine heights/drops of ground	. —	•
	pipes and cables		13. Plumb-line
	8. Level concrete bases and foundations		14. Align roof
	•		
	Building shell construction		15. Precisely in
	 Establish the heights for concrete 		substructures
	ceiling formwork		
	•	_	
	 Align formwork for concrete support 		
	•	_	
	3. Measure reinforced concrete beams		
	and formwork		
	•	_	
	4. Align system formwork walls		
	_	_	
	5. Level brick course heights		
	 • • 		
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6. Align wall insulation and formwork	
7. Establish wall piercings	
8. Level parapets and lintels	
9. Align pre-cast shaft components (e.g. air conditioning ducts)	
10. Level staircase mouldings and stair- ways – determine parallel slopes	
11. Produce bends	
12. Align ready-made components	
13. Plumb-line chimneys	
14. Align roof constructions	
 15. Precisely install steel supports and substructures 	

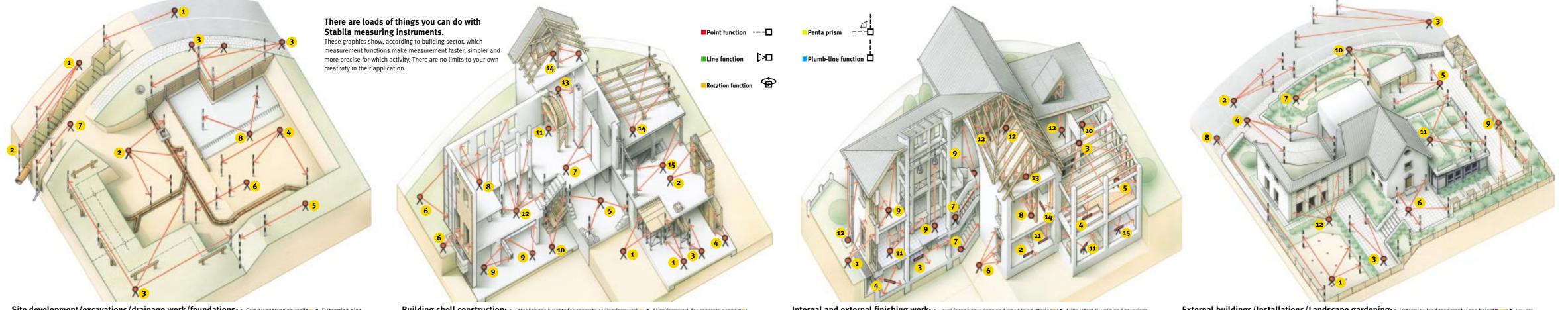
In 1.

2.

External buildings/Installations/
Landscape gardening
 Determine land topography and he
2. Lay car parks
3. Measure out roads and footpaths
-
4. Level garage access ways and
drainage channels
5. Lay drains in yards
6. Lay and levelling terraces
7. Lay garden paths
8. Erect external walls, fences and
sound insulation walls
9. Build pergolas and seating areas
10. Erect car ports, roof over
rubbish bins
11. Lay out and level roof gardens
12. Landscape façades

nstallations/ g ography and height	STAE		sets sto	andards
and footpaths				
	Evaluation: 1. Enter			
s ways and	nise the required laser f occasionally, frequently Some types have severa	or constantly? 3. From	n this, select your typ	e of equipment.
rraces	Necessary laser functions	Occasional	Frequent	Constant
	Point function	Laser spirit level	Manual point laser	Automatic point laser
s, fences and		•	••	
seating areas	Point function with 90° Penta	Laser spirit level with 90° Penta prism	Manual point laser with 90° Penta prism	Automatic point laser with 90° Penta prism
of over	D	•••	••••	
oof gardens	Line function C>□ ■	Laser spirit level with line function	Manual line laser	Automatic line laser
S				
	Plumb-line ¦ function 🖞 🗖	Manual point laser with plumb-line function	Manual point laser with plumb-line function	Automatic point laser with plumb-line function
	Rotation function	Laser spirit level on base plate	Manual rotation laser	Automatic contaction laser

You will find detailed product information on the Web at www.stabila.de. Our Technical Hotline is there to assist you in all your questions regarding product selection and use: telephone 0049-6346-309-0. Or, of course, you can always e-mail us at info@stabila.de



Site development/excavations/drainage work/foundations: 1. Survey excavation walls 2. Determine pipe descents 3. Align building corners, mark strings, excavations 4. Establish excavation floors 5. Determine embankment heights 6. Survey pit linings 17. Determine heights/drops of ground pipes and cables 18. Level concrete bases and foundations

Building shell construction: 1. Establish the heights for concrete ceiling formwork 2. Align formwork

External buildings/Installations/Landscape gardening: 1. Determine land topography and height **2.** Lay car parks **3.** A measure out roads and footpaths **4.** Level garage access ways and drainage channels **5.** Lay drains in yards **6.** Lay and level ling terraces **7.** Lay garden paths **8.** Erect external walls, fences and sound insulation walls **9.** Build pergolas and seating areas **10.** Erect car ports, roof over rubbish bins **11.** Lay out and level roof gardens **12.** Landscape façades **1**