



# THE EVOLUTION SERIES PLP-700

## Automatic Self-levelling Laser

Just by pressing the 'ON' key

PLP-700 Series

PLP-701 / PLP-702

PLP-701R / PLP-702R

**Fast and Reliable**



# Automatic Self-levelling Laser... Fast and Reliable!



Shock protection

Robust aluminium casing

Shock protection

### IPX6: For use under the harshest site conditions

Waterproof and dustproof: the PLP-701/701R/702/702R are manufactured to IPX6. The instrument can be used safely under the harshest conditions such as rain or in a damp climate



**Applications**  
The Multipurpose Self-levelling Construction Laser is the best choice for General Construction, Building Site Levelling and for Interior Construction.



## Automatic Self-levelling Laser

The new PLP-701/701R/702/702R Pentax Construction Lasers offer an unequalled performance.

With their Quick Automatic Self-levelling mechanism and extreme ease of use, these lasers are the ideal solution for interior and exterior applications.

### Benefits

- ❑ **High throughput**
- ❑ **Easy to use**
- ❑ **Rugged**
- ❑ **Accurate**
- ❑ **Fast**
- ❑ **Can be used with hand-held laser detector**
- ❑ **Highly competitive price**

### Make More Profit On The Job

The PLP-700 Series allow extremely fast, reliable levelling of the laser beam. Simply set it up and turn 'ON' for use only seconds later. No circular vial to observe, no levelling screws to operate. The beam is automatically levelled by simply setting the PLP-700 upright.



### The PLP-701/701R/702/702R are very versatile instruments

- ❑ The design of the automatic compensator guarantees extremely quick and high accuracy levelling.
- ❑ The instruments can be used outside in bright conditions using the LS7 detector.



Automatic Self-levelling, just by pressing the **'ON'** key!



With the rear display on the LS7 Detector the reference point can be easily read from both the front and the rear of the receiver

### LS7 Detector

When sensing the beam emitted from the instrument the LS7 detector indicates the reference level on the display. An audio signal sounds in three different tones, indicating the required direction of the detector movement.

- ❑ **Move the detector down** *the buzzer makes a quick beeping sound.*
- ❑ **This is the reference position** *the buzzer makes a continuous beeping sound.*
- ❑ **Move the detector up** *the buzzer makes a slow beeping sound.*



## The LS7 features

- 2 step accuracy
- Auto power off
- LCD display illumination
- Battery capacity indicator
- Beam reception display
- 2-Sided display
- Waterproof IPX4

## LA6 Rod adapter

This adapter is used to attach the detector onto the staff or plain rod, giving maximum convenience to jobs like concrete work.

## Technical specifications

PLP-700 Series	PLP-701 / PLP-701R / PLP-702 / PLP-702R
<b>Accuracy of Reference Beam</b>	± 10" (PLP-701/PLP-701R) ± 12" (PLP-702/PLP-702R)
<b>Measuring Range</b>	Radius 0.5~200m (PLP-701/PLP-701R) Radius 0.5~120m (PLP-702/PLP-702R)
<b>Automatic Self-levelling Range</b>	± 10 % (± 5,7°)
<b>Light Source</b>	Visible Laser Diode 635 nm
<b>Laser Output</b>	Max. 1.0 mW
<b>Laser Class</b>	Class 2 IEC / Class II FDA
<b>Rotation Speed</b>	300 rpm / 600 rpm (can be switched)
<b>Power supply</b>	Rechargeable Ni-MH batteries
<b>Operating Time</b>	12 Hours
<b>Battery Charging Time</b>	4 hours - 2 hours (PLP-701R/PLP-702R)
<b>Waterproof construction</b>	IPX 6 (Watertight and Dustproof)
<b>Operating Temperature Range</b>	-20° to + 50° C (-4° to +122° F)
<b>Tripod attaching screw</b>	JIS/B type (5/8" x 11 thread)
<b>Size and Weight</b>	
<b>Dimensions</b>	166W x 166D x 222H mm
<b>Weight</b>	2.5 kg (with batteries)

## Detector LS7

<b>Detection Accuracy</b>	HIGH ± 1 mm LOW ± 2.5 mm
<b>Beam reception indicator</b>	Liquid crystal display / buzzer
<b>Sensitivity of vial</b>	30' / 2 mm
<b>Power supply voltage</b>	DC9V battery(6F22 or 6LF22)
<b>Operation time</b>	Approx. 40 hours on alkaline battery (6LF22)
<b>Auto power off</b>	Power supply: Approx. 10 min.
<b>Illumination</b>	Approx. 1 min
<b>Dimensions</b>	68W x 28D x 140H mm
<b>Weight</b>	175 g
<b>2-Sided display</b>	

## Standard configuration

- Instrument
- Ni-MH Batteries
- Charger
- LS7 hand-held Laser Detector
- LA6 Rod Adapter
- Operating instructions
- Carrying Case



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