

# Leica Piper 100/200

The world's most  
versatile pipe laser



**SITE PROOF**  
by Leica Geosystems

- when it has to be **right**

**Leica**  
Geosystems

# Leica Piper

## Solid performance – in the pipe, over the top, or in the manhole

Work with confidence with the Leica Piper series of pipe lasers from Leica Geosystems.



### In the pipe

Self-centering, rubber tipped feet ensure the Piper stays working.

Rock solid construction with cast aluminum housing for the toughest jobsite conditions.



### Over the top

Optional scope and mount kit for above ground setups.

Versatile, yet simple to operate and user friendly.



### In the manhole

Its unique design and wide stable base make the Piper easy to set up even in the smallest invert.

The Piper is 100 % waterproof with a positive pressure nitrogen seal.



**Compact and powerful**, the Piper is the only pipe laser that fits inside a 100 mm/4 in pipe.



**Large clear display** with easy to read grade numbers, line indication, battery status, and level indication.



**Automatic grade compensation** with the housing rolled up to  $\pm 3^\circ$ , the Piper will compensate and correct for the grade errors.

JOE SMITH  
SMITH EXCAVATING  
123 MAIN STREET  
ATLANTA, GA 45678  
TELEPHONE 555-7890

### Personalize your Piper

Your name and address can be programmed to display on power-up.

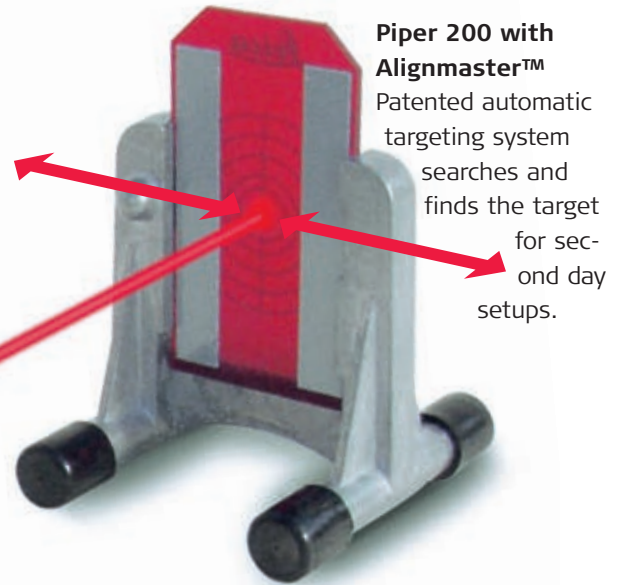




"The Piper performs exceptionally well for my crew. They really like the compact design that allows them to easily place it in the tightest of inverts, and the bright beam stands out making the accurate placement of the pipe a simple task."

# Leica Piper ...

works for You



**Piper 200 with Alignmaster™**  
Patented automatic targeting system searches and finds the target for second day setups.



Piper 200 with Alignmaster™



**Wide self-leveling capability** over full grade range. No need to tip the laser for steep slopes.



Inside or outside the pipe, the Piper levels to the grade you need.



### Recommended Piper package

- Piper 100 or Piper 200
- Rugged carrying case
- Remote control
- Target assembly
- Lithium-Ion battery
- Charger with AC and auto adapters
- Self-centering feet (150 mm/6 in)



**Heavy duty trivet** with easy grip handle, heavy base and clear markings on the pole to adjust and set the height.



**Multi-function remote** works up to 150 m (500 ft) for line control and other features.

# Leica Piper ...

perfect for

- storm and sanitary sewer construction
- gravity flow pipe lines
- anywhere line and grade is required



## Wide line adjustment

A full 20 ft (6 m) of line travel at 100 ft (30 m).



## Easy grade entry

Simply press the up/down arrows to change grade or use direct digit entry to make large grade changes quickly. Press both buttons together to easily reset grade to zero.



## Off level warning

The beam blinks when the Piper is jarred or disturbed.



## Line and grade locks

To prevent unwanted changes after the Piper has been setup.



## Intelligent battery

Monitors amounts of charge and discharge to give an accurate level of the Piper's long battery life.



## Battery saving mode

Press the sleep button (Remote) to turn off the beam.



## Lighted pivot point

Press the light button (Remote) to turn on the top pivot point LED.

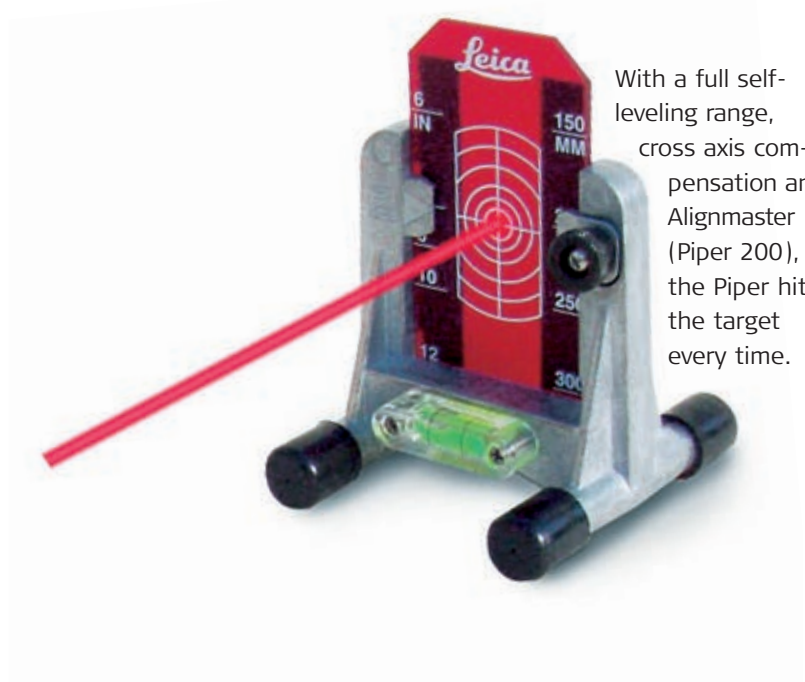


## Strobe mode

Press the strobe button (Remote) to strobe the laser beam for increased visibility.

# Leica Piper ...

works for You



With a full self-leveling range, cross axis compensation and Alignmaster (Piper 200), the Piper hits the target every time.

## Leica Piper Specifications

### Product Specifications

Laser Diode	635 nm (red)
Laser Output	4.75 mW maximum
Working Range	200 m (650 ft)
Grade Range	-10 % to +25 %
Self-leveling Range	-15 % to +30 %
Line Movement	6 m at 30 m (20 ft at 100 ft)
Battery*	Lithium-Ion, 7.4 V/3.8 Ah
Operation/Charge	40 h/4 h
Operating Temperature	-20° to +50° C (-4° to +122° F)
Dimensions (diameter x length)	96 mm x 267 mm (3.8 in x 10.5 in)
Weight	2 kg (4.4 lbs)
Construction	Cast aluminium
Seal	IPX8
Wireless Remote	Front, up to 150 m (500 ft) Back, up to 10 m (35 ft)

\*Battery life is dependent upon environmental conditions



Whether you have to precisely layout a construction site, perform control measurements, collect height and angle data, align concrete forms, install ceilings and partitions, lay gravity flow pipe, locate underground services or complete site preparation and earthworks – Leica Geosystems offers the right instrument, construction laser or machine control installation specifically designed for your construction application.

Easy-to-use, jobsite tough, accurate and reliable – Leica Geosystems instruments and lasers ensure the efficient use of your materials and resources. High quality products, such as optical and electronic levels, construction lasers, total stations and machine automation systems, provide fast results, keep you working and increase your profitability.

**When it has to be right.**

Illustrations, descriptions and technical data are not binding. All rights reserved.  
Printed in Switzerland – Copyright Leica Geosystems AG, Heerbrugg, Switzerland, 2005.  
750825en – XII.09 – RDV



**Total Quality Management –  
our commitment to total  
customer satisfaction.**

Ask your local Leica Geosystems  
dealer for more information  
about our TQM program.

Laser class 3R in accordance with  
IEC 60825-1 and EN 60825-1