



Versatile Laser for Level, Grade, and Vertical Alignment

Automatic Electronic Self-Leveling

Full Function Remote Control Included

2 Year Warranty



Remote Control



STORM Laserometer

SUMMIT™
High Accuracy Grade Lasers

SUMMIT Grade Laser

Features & Benefits

Large grade range of -10% to +15% in dual axes for SUMMIT 2 and single axis for SUMMIT 1 – lasers to meet a wide variety of applications and budgets.

Full function 2-way radio remote control allows all keypad functions up to 330 feet (100 m) away from the laser – the ability to make grade changes anywhere on the job greatly reduces setup time and speeds operation.

Horizontal, grade, and vertical modes – three lasers in one for use in a multitude of applications that keep the laser working for quick payback.

Automatic electronic self-leveling eliminates manual screws and bubble vials - quick and easy setup and minimum operator training.

Automatic temperature compensation keeps the laser consistently accurate – eliminate rework due to a drifting beam as temperatures change throughout the day.

Very long operating range - up to 2,600 ft (800 m) diameter for increased machine control capability and fewer setups over the job site.

Extremely rugged with low service costs - takes a drop of up to 3 ft (1 m) onto concrete.

Masking feature allows you to block laser transmission from up to three sides - minimizes interference with other laser crews on the job site.

Pointing mode - allows "Over the Top" pipe laying for house connections.

Manual mode - for steep slopes and special applications.

2-Year Warranty.

Applications:

- Leveling concrete forms and footers
- Vertical alignment and plumb for anchor bolt and form alignment
- Grading and excavating
- Concrete sections with run-off for sports fields, tennis courts, driveways, etc.
- "Over the Top" sewer and storm drain pipe installations
- Steep slope road embankments and ditch banks
- Parking garages, ramps and drainage



Rugged and Reliable

The SUMMIT consistently delivers reliable and accurate performance, enabling you to work faster and smarter.



Single or Dual Grade

The SUMMIT 1 is a single grade laser. The SUMMIT 2 is a dual grade laser.



Remote Control

2-way, full-function remote control with a built-in back-lit grade display.



Keypad

Easily make grade changes with this easy to read and simple to use keypad.



Vertical Positioning

The SUMMIT self-plumbs in the vertical position allowing an even wider range of applications such as anchor bolt installation, plus form, tilt up and curtain wall plumbing.

STORM Laserometer

The Revolution in Laser Detection

A huge 5 inch reception height acquires the beam quickly and easily stays in the beam. It is more than double the industry standard.

The digital readout of the elevation not only shows high, low, or on-grade but by how far from on-grade. Save time by eliminating having to move the rod clamp for every grade check.

Five accuracy settings are selectable to suit your jobsite tolerances. Units of measure are selectable between fractional inches, inches, feet, or metric.

New SuperCell Technology improves every aspect of the way you pick-up your laser and check your elevations. SuperCell technology uses durable acrylic components rather than fragile soldered components of traditional methods.

Two clamp positions are available. Standard center position provides equal amount of grade information above and below grade. Offset position moves the on-grade reception location so more information is displayed above grade which is beneficial for excavation.

The CAPTURE function can take grade reading remotely when you cannot see the display.

The laserometer has a drop specification of 10 feet onto a concrete slab while maintaining original specifications. There is a 3-Year "No Excuses" Warranty to back it up!

Completely reliable. We know it's going to get abused, dropped, splattered with concrete - it has been designed to take it. Proven Apache ruggedness is built in.



Easy to Use

The large LCD screen shows exactly how far off grade you are.



Faster Grade Checks

Measure grade to ± 2 inches (± 5 cm) without having to reposition the clamp.



The Best Clamp

Heavy duty clamp will not break when overtightened - it's covered by the same 3-year warranty as the Laserometer. Patented reversible jaw grips firmly to round, oval, or square rods.



Absolutely Waterproof

Dunk it, scrub it, hose it off. It's the toughest on the planet!

SUMMIT Package Includes:



SUMMIT 1 or
SUMMIT 2 Laser



STORM
Laserometer



Rod Clamp



Remote
Control



4 "D" Ni-MHs
Batteries
and Charger



Hard Shell
Case



The SUMMIT features grade control, horizontal leveling, and vertical alignment in one package

SUMMIT Specifications

Laser Type/Class: <5 mW 635 nm, Class 3A/3R (SUMMIT 2)
3 mW 650 nm, Class 2 (SUMMIT 1)
Drop Height on Concrete:.....3 ft (1 m)
Operating Diameter(w/STORM): 2,600 ft, 800 m(SUMMIT 2)
2,000 ft, 600 m(SUMMIT 1)
Compensation Method:.....H/V Electronic Self Leveling
Temperature Compensation:.....Every 5° C
Level / Vertical Accuracy:.....10 arc seconds
1/16" @ 100 ft (1.5 mm @ 30 m)
Grade Range:.....-10 to +15% Dual Axes (SUMMIT 2)
-10 to + 15% Single Axis (SUMMIT 1)
Grade Accuracy:.....1/8" @ 100 ft (0.015% 3 mm @ 30 m)
Grade Resolution:.....0.001% up to 9.999%
0.01% at higher grades
Grade Compensation:.....Yes
Remote Control Type:.....Full 2-way communication,
operation and security lock with transmitter
Remote Control Range:.....300 ft (100 m) radius
Rotation Speed:.....0 (SUMMIT 2), 300, 600 RPM selectable
Transmitter Battery Life (4 x D NiMHs):.....55 hours
Remote Battery Life (2 x AA Alkaline):.....130hrs continuous
1 year under normal use
Mask Mode:.....User selectable to any window
3 windows maximum
Standby Mode:.....Yes
Display Backlight:.....Yes, auto shutoff after 8 seconds
Mounting Threads:.....5/8" x 11 Horizontal and Vertical
Operating Temperature:.....4° to 122°F (-20° to +50°C)
Dimensions:.....8.3L x 7.1W x 7.9H in (21L x 18W x 20H cm)
Weight:.....6.8 lb (3.1 kg)
Warranty:.....2 Years



STORM Specifications

On-Grade Sensitivities: Ultra Fine.....1/32 in / 0.5 mm
Super Fine.....1/16 in / 1.0 mm
Fine.....1/8 in / 2.0 mm
Medium.....1/4 in / 5.0 mm
Coarse.....1/2 in / 10.0 mm
Calibration.....1/64 in / 0.1 mm
Readout Units of Measure:.....mm, cm, ft, in, fractional in
Operating Temperature:.....4°F to 140°F (-20°C to 60°C)
Battery Life:.....60+ hours continuous operation
Auto Shut-Off:.....30 minutes / 24 hours
Weight:.....9.5 oz (.27 kg)
Reception Height / Angle:.....5 in (127 mm) / 90°
Anti-Strobe Sensor:.....Yes
Dust and Waterproof:.....Yes
Warranty:.....3 Years "No Excuses"

*Features and Specifications subject to improvement without notice.



Batteries

4 - "D" Ni-MHs batteries power the SUMMIT for up to 55 hours.
There is room in the case for user supplied backup alkaline batteries.



A Wide Range of Accessories are Available:

Contact your account manager to get more information about accessories to accompany your SUMMIT and STORM.

Apache Technologies, Inc. is the world's largest manufacturer of laser detectors for construction and agriculture. This position of leadership was earned by developing leading edge, proprietary and patented laser detection technologies. These technologies are employed in all of Apache's handheld detectors and machine control receivers.



Apache also manufactures a complete line of handheld laser detectors.

Apache
Technologies

8261 State Route 235
Dayton, Ohio 45424 USA
Phone: 937-482-0200
Toll Free: 888-272-2433
Fax: 937-482-0030
www.apache-laser.com

