

PRO Control™ – Proportional Machine Control

***Proportional Hydraulics Provide
Smooth and Precise Blade Control***

***Breakthrough Versatility:
Various Applications, Machine Types
and Job Site Conditions***

Fully Automatic or Manual

Rugged Design



Perfect for Dozers and other earthmoving machines

PRO Control™

Proportional Machine Control

Increase productivity tough fast, precise proportional hydraulic control

PRO Control Panel

Versatile

- Control from single and dual grade laser plus cross slope provides a single solution for fine grading using the latest technology in controlling proportional hydraulic valves.
- Maximum flexibility – configures to various hydraulic systems and machine brands.

Easy to Operate

- Hydraulic speeds are controlled from the cab and adjust to the specific job site conditions.
- Choose from conventional indicate machine control to fully automated slope and elevation control.
- Push button control for easy-entry of target slope into the panel and visual indicators.

Rugged

- Water resistant.

CAB (Constant Accuracy Band) Sensor

Accurate

- Used with Laser Alignment's control panels, the CAB Sensor automatically controls the hydraulics to keep the sensor centered on the laser beam and the blade "on grade."
- CAB technology maintains on-grade accuracy regardless of operating distance, spot size, or rotating laser type.
- 360° reception allows operator to grade in any direction and features a wide 8 inches (20 cm) of pick up range.

Operator Friendly

- LED's indicate the position of the machine's blade relative to the laser plane of light.
- The Ultra bright LED's flash rapidly for easy visibility even in bright sunlight.

- Built in memory – when the CAB Sensor moves above or below the laser beam, the LED's will flash slowly to indicate the last position of the sensor.
- Runs continuously for over 50 hours with an optional rechargeable battery pack.
- Portable – moves easily from machine to machine.

Rugged

- Cast aluminum housings interconnected with two solid aluminum posts. Its impact resistant lens is mounted on foam rubber, and all of the internal electronics are shock-resistant.
- Hermetically sealed and waterproof to ensure continuous operation in all weather conditions.



3-step Process to Productivity:

1. Set laser
2. Benchmark blade and adjust sensor
3. Begin grading with smooth proportional control

Specifications

PRO Control Panel

Dimensions	8.2 x 8.8 x 4.4" (20.8 x 22.4 x 11.2 cm)
Weight	4.2 lbs (1.9 kg) with bracket
Seal	Open panel coated PCB
Input voltage	11 to 30 volts DC
Input Current	6 Amps max while not driving valve

Tilt Sensor

Dimensions	4.3 x 4.5 x 6" (11 x 11.5 x 15 cm)
Weight	4.8 lbs (2.2 kg)
Seal	Hermetically sealed, waterproof
Resolution	Clinometers, 0.02°
Slopes	0–130°

CAB Sensor

Bandwidths	
Narrow	± 1/6" (4 mm) On-Grade 1/6 to 1/2" (4 to 12 mm) Near On-Grade
Wide	± 1/2" (12 mm) On-Grade 1/2 to 1" (12 to 32 mm) Near On-Grade
Operating Range	more than 1,000' (300 m)
Sensing Range	8" (20 cm)
Weight	7.5 lbs (3.4 kg)
Dimensions	6.3 x 12.0 x 3.0" (16 x 30 x 7.6 cm)
Input Voltage	11 to 30 volts DC (connected to battery or a Laser Alignment control panel)
Input Current	Less than 1 AMP
Laser Light	Rotating visible or invisible
Waterproof	Hermetically sealed, 100% waterproof



Accurate Grading with auto elevation control for land leveling, sports fields, or parking lots.



Steep Slope Control for retention ponds, roads, landfills, dams and other steep slopes.

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