

# Depthmaster® 200



# Depthmaster® 200 – visual depth control ...

Working with any rotating laser, the Depthmaster® 200, controls the proper grade on construction and agricultural machines. Constant Accuracy Band (C.A.B.) technology used in the Depthmaster® 200 receives the laser signal and electronically maintains consistent accuracy over distance.

## **Constant accuracy band (CAB)**

Maintains “on-grade” accuracy regardless of operating distances spot size, or rotating laser type. The “on-grade” band width is selectable and will consistently read either  $+\frac{1}{8}$ ” (4 mm) or  $+\frac{1}{2}$ ” (12 mm) depending on jobsite requirements.

## **Pole mount**

When used with the optional clamp-on assemblies, the Depthmaster® 200 can be mounted on a round or square pole for dozer or other applications.

## **Shake to wake**

The unique battery “SHAKE TO WAKE” system turns off non-essential electronics after 5 minutes of non-use. It automatically turns back on when your machine begins to move again. If the Depthmaster® 200 is not used for 1½ hours, it shuts itself off completely.

## **Cordless on board battery pack**

Over 48 hours of continuous operation with the Ni-cad rechargeable battery pack.

## **Memory**

When the Depthmaster® 200 is out of the range of the lasers an LED will blink indicating which way to move the sensor to find the laser light.

## **Indicate or Automatic Control**

The Depthmaster® 200 can be used as an indicate only system using the highly visible LED'S for grading or excavating. Using a control panel, the Depthmaster® 200 can also be used for full hydraulic blade control.



*Indicate/Automatic Control Panel*



# ... during excavation



## Patented plumb indicators

Controls the excavator's dipper arm vertically for consistent and accurate grade readings.

## Magnetic mount

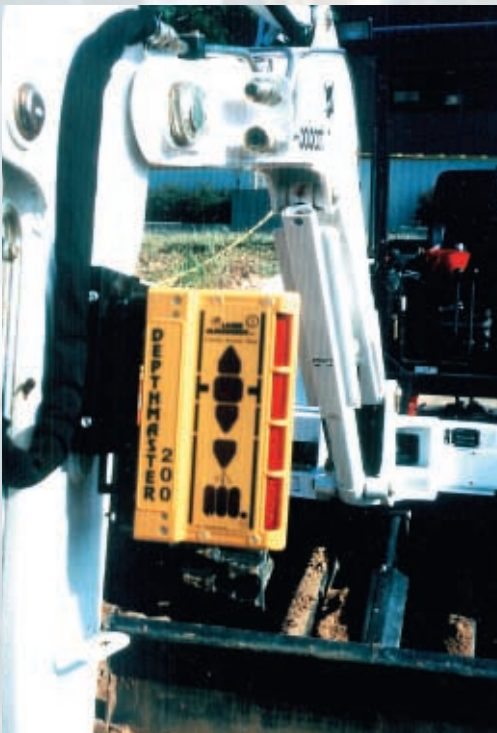
The Depthmaster<sup>®</sup> 200 is extremely convenient with its powerful magnetic mount. When purchased with this mount, it takes less than a minute to attach to the machine. No drilling or welding is required.

## Mirror image mounting

Front and back sides of the Depthmaster<sup>®</sup> 200 are the same for mounting on the right or left side of the machine.

### Specifications

- Constant Accuracy Band . . . . .  $\pm 1/8"$  ( $\pm 4$  mm)  
or  $\pm 1/2"$  ( $\pm 12$  mm)
- Sensor Reception Area . . . . . 8.3" (210 mm) vertical  
200° horizontal
- Power Requirements . . . . . Ni-Cad, rechargeable batteries  
or 11-30 VDC
- Battery life . . . . . Greater than 48 hours of use
- Battery saving . . . . . Automatic stand-by after 5 minutes  
of non-use, complete shut off after 1 1/2 hours
- Weight . . . . . 5.216 lbs. (2.3 kg)
- Dimensions . . . . . 10 x 5.7 x 3" (254 x 145 x 76 mm)
- Clamp-on Brackets
  - Mounting . . . . . Round 2" (50 mm) pipe  
Square 1 1/2" (38 mm) pipe
- Magnetic mount
  - Mounting . . . . . Any flat magnetic surface
  - Pulling force . . . . . 450 lbs. (220 kg)
  - Weight . . . . . 5.3 lbs. (2.4 kg)



# We are always at your disposal

- We offer support with project planning and system installation.
- We offer total solutions.
- We offer solutions to your specifications.
- We offer worldwide service.

Beside Machine Control Systems for Excavators, Leica Geosystems offers solutions for other automatic construction machines such as Graders, Slipform Pavers, Trimmers, Pavers and Bulldozers.



**Total Quality Management –  
Our commitment to total  
customer satisfaction**

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

## The Leica Geosystems Construction Segment Family of Products



**Construction laser** – our lasers are always built to meet the demands of construction sites, no matter what they are used for: the construction of high-rise buildings, for digging trenches, for machine guidance or interior construction.



**Automatic levels** – professional optical levels are built for the construction site. They are quickly set-up, very precise and top every comparison of price to performance.



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**Hand-held Laser Distance Meter** – simple and handy tool to determine distances, areas and volumes quickly and accurately, indoors and outdoors.



**DIGI™ System** – the location system provides a fast and safe solution for tracing buried utility services.

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