

ADVANCED GRADE INDICATION FOR EXCAVATORS



Easy-to-use, advanced grade control

- Create, cut and check complex designs from the cab
- Work from an existing elevation reference or laser
- Easily upgrade to 3DXi-GPS+
- Easy-to-see cut/fill indicators
- Increase safety by removing grade checker

It's time.

Topcon's 2DXi and 2DXe systems represent a giant leap in excavator grade indication. Completely user friendly and user definable, they're flexible enough to apply to even the most difficult jobs. Choose from 2DXi featuring the Windows based GX-60 Graphical Display - fully upgradeable to Topcon's 3DXi GPS+ excavator control, or the economical 2DXe system featuring Topcon's GX-40 Graphical Display with remotely positionable light bar grade indicator. Both systems include four TS-1 360° tilt sensors used to measure angles between the cab, boom, stick and bucket. Add Topcon's optional LS-B10W laser receiver and you have the industry's most advanced laser indicate system.

With 2D, you'll eliminate over excavation and control material usage saving you time and money. That's because 2D gets you to grade fast and keeps you there, even in deep, blind cut situations or when digging under water. With these systems the operator can "see" bucket position at all times.

Pick a reference ...

2D gives you the flexibility to use a wide array of references to work from: existing surface, a point, a previous cut, or a rotating laser. It's as simple as choosing your reference and entering a cut and/or slope depth.

2DXi - the system that grows as you grow

2DXi's GX-60 Graphical Display offers a fully upgradeable solution to Topcon's industry leading 3DXi GPS+ excavator system. With the addition of two GPS antennas and software you'll realize the freedom and production that only the most advanced GNSS capabilities can bring. With Topcon's 2D systems, work faster, with more consistency, and higher accuracy, while significantly increasing safety by keeping the grade checker out of the trench. That's Topcon innovation. It's time.



A combination of reliable, rugged components and unmatched innovation and performance. Topcon's 2D sets the standard for excavator indicate technology.



GX-60 Display

- Touch sensitive display
- 650 MHz, Windows XP operating system
- Bluetooth wireless technology
- USB, Ethernet, RS-485, CAN, & RS-232 ports with USB memory support
- Ambient light sensor for sharp contrast



GX-40 Display

- USB, Ethernet, CAN & RS-232 capable
- Ambient light sensor for sharp contrast
- Sealed housing with Gortex Vent
- 32Mb internal Compact Flash Drive
- 5" diagonal display
- Audio speaker



Integrated compass pole

- Environmentally sealed
- Highest industry accuracy
- Iron-free design
- CAN bus protocol



LS-B10W Laser Receiver

- Small, lightweight design
- 270° detection
- Rugged, waterproof design
- CAN support
- Bright indicator lights
- Magnetic: use anywhere

Seamless process

With Topcon 2D indicate systems complex profiles or slopes can be entered directly in the Graphical Display. This eliminates delay and frustration of constant control point checking. With an additional standard sensor, a tilt bucket can be controlled. In combination, slopes, profiles and flat surfaces can be excavated fast and accurate in any bucket or excavator position.

Topcon's 2DXi/2DXe excavator indicate systems

Flexible, reliable, durable, and easy-to-use. It's the world's most advanced indicate system, and everything you've come to expect from Topcon.



- 1** TS-1 Tilt Sensor
- 2** LS-B10 W Laser Receiver
- 3** GX-60 Display (2DXi) or GX-40 Display (2DXe)
- 4** Integrated Compass Pole



LS-B10W Laser Receiver

Adding the LS-B10W to your 2D excavator system puts the power of laser accurate grade at the operator's finger tips. Simply mount the sensor on the stick and entering the elevation from the laser beam to the design grade and go to work. Every time the LS-B10W passes down through the laser beam it reestablishes the benchmark insuring you always cut the proper depth.

Back up the machine to start your next cut and the system automatically compensates for any change in the excavator position.

Think how much money you can save on setting stakes and the time you will save grading utilities and slopes!



It's time.

The Leader in Positioning Technology ...

Topcon offers positioning products that deliver unparalleled site-wide performance and integration. Topcon's history of technological advances and our reputation for superior reliability means there's no other company positioned to provide you with a better "Total Positioning Solution."

From survey to inspection Topcon, through our dealer network, provides the innovative technology that gives surveyors, civil engineers, contractors, equipment owners, and operators the competitive edge by addressing such critical issues as increasing profits, quality craftsmanship, improving productivity, lowering operating costs, and enhancing job site safety.



Full positioning integration field-to-finish: That's the goal of Topcon. When it's time for you to step up to the next level, it's time to turn to Topcon.

The Leader in Customer Satisfaction ...

To ensure that your Topcon instruments maintains peak performance, your local Topcon dealer offers factory trained and certified service technicians. If service isn't available in your area, our European Service Center offers a repair and return policy second to none.



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Upgrade: 3DXi GPS+ Excavator Control

When you're ready, upgrade 2DXi to the World's most advanced 3D excavator system, Topcon's 3DXi ...

Experience the benefits of Topcon's satellite positioning based 3DXi GPS+ excavator grade control. 3DXi provides all of the advantages of satellite positioning technology with the superior performance and usability of Topcon's 2DXi machine control.

In addition to 2DXi features like complex designs, viewable bucket position, and increased safety, 3DXi enables the operator to "see" his machine's exact position within the site.

3DXi also provides for multiple angle views of the machine, perfect when more detailed information is required on complex jobs. Choose from plan, profile, sectional and dual grade indication.

3DXi ties in Topcon's 3DMC applications for dozer and motor grader. One reference, one software platform, modular hardware and seamless dataflow.



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