

SPECIFICATIONS

Sensors (Standard)

Enclosure Polycarbonate	IP67
Dimensions (W x D x H)	112mm x 68mm x 48mm
Weight	0.230 kg
Operating Temperature	-20°C to +60°C
Charging Temperature	0°C to +35°C
Storage Temperature	-20°C to +35°C
Operating Time	Approximately 120 hours

Display

Enclosure Magnesium	IPX6
Dimensions (W x D x H)	158mm x 158mm x 253mm
Weight	1.44 kg (without batteries)
Operating Temperature	0°C to +50°C
Storage Temperature	-20°C to +70°C
Power	12/24 Volt



For more specifications information:
topconpositioning.com

Topcon TotalCare

Topcon TotalCare combines the training and support that Topcon offers into one service, creating the premier solution in the industry.

We have created TotalCare so that you can take advantage of all the productivity our positioning solutions offer, making you as successful as possible.

Please visit the TotalCare website to learn more.
topcontotalcare.com



7400 National Drive • Livermore • CA 94550
 (925) 245-8300

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LASER SYSTEMS

Sloping Laser Solutions

Pick the Topcon Sloping Laser Best For Your Job and Budget



RL-100 1S & RL-100 2S

Topcon's RL-100 Series revolutionary encoding system provides the highest grade repeatability, 5 arc seconds, of any other laser! No one even comes close. Setup-after-setup, time-after-time, you're always right on grade!

Choose from two models, RL-100 1S single slope, or RL-100 2S dual slope. The RL-100 1S provides single slopes from -5% to up to +25%. The RL-100 2S provides dual slopes up of +/-10% in the X axis, or up to an industry leading -5 to +25% in the Y axis.

RT-5Sw

The RT-5Sw was built from the ground up with long range, high precision dual slope applications in mind. From agricultural land leveling to large construction sites, there isn't another laser available that can deliver dual slopes this accurately or easily. And with the RT-5Sw's unique Auto-Alignment feature, set up is fast and accurate!

RL-H4C

Topcon's RL-H4C auto-leveling laser combines precision, versatility and value in one job site tough package. Its super-fast self-leveling motors are accurate to +/-10 arc seconds meaning whether you're checking grade or setting batter boards you're going to be accurate the first time. Its high-power 2.4mW diode means you have a 2,600ft. (800m) diameter working radius making it a great reference for machine mounted receivers.

Your local Authorized Topcon dealer is:

Wireless Control Systems for Excavators



- Eliminate over-excavating
- Fast to set up and use
- Bright touch screen display
- Wireless tilt sensors

X-22...using wireless tilt sensor technology to improve your productivity

The X-22 is Topcon's newest machine control system for hydraulic excavators. Using wireless tilt sensor technology makes installing and using this system fast and easy. With the X-22 excavator system, any operator can dig quicker, safer and more accurately than ever before. The sensors know the bucket's position in real-time and the Control Box displays exactly how far it is from grade.

The X-22 comes in two models – 1D and 2D. Both systems come with a Control Box and wireless sensors for the Bucket, Stick, and Boom. The stick sensor includes a laser receiver. X-22 1D gives the operator a vertical elevation reference and displays how far away the bucket is from grade.

The 2D model adds an additional Compass, Pitch and Roll sensor and allows you to rotate the machine and dig to grade in any direction. The excavator doesn't have to be on level ground because the compass, pitch and roll sensor helps maintain the correct grade and slope even when the machine's tracks are uneven. For both 1D and 2D configurations, an additional tilt bucket sensor can be installed to display the tilt angle of your bucket.



Control Box

The X-22 control box is a high-resolution, touch screen display that is easy to see, even in bright sunlight. The operation is simple. The menu guides you through the set up process with step-by-step instructions on how to calibrate and use the system.

If you want to cut a trench, you will be guided through a simple menu as you set the width, depth and slope. The cross-section will be shown on the monitor in front of you. Different screen views such as profile, bucket and sectional are standard.



Wireless Sensors

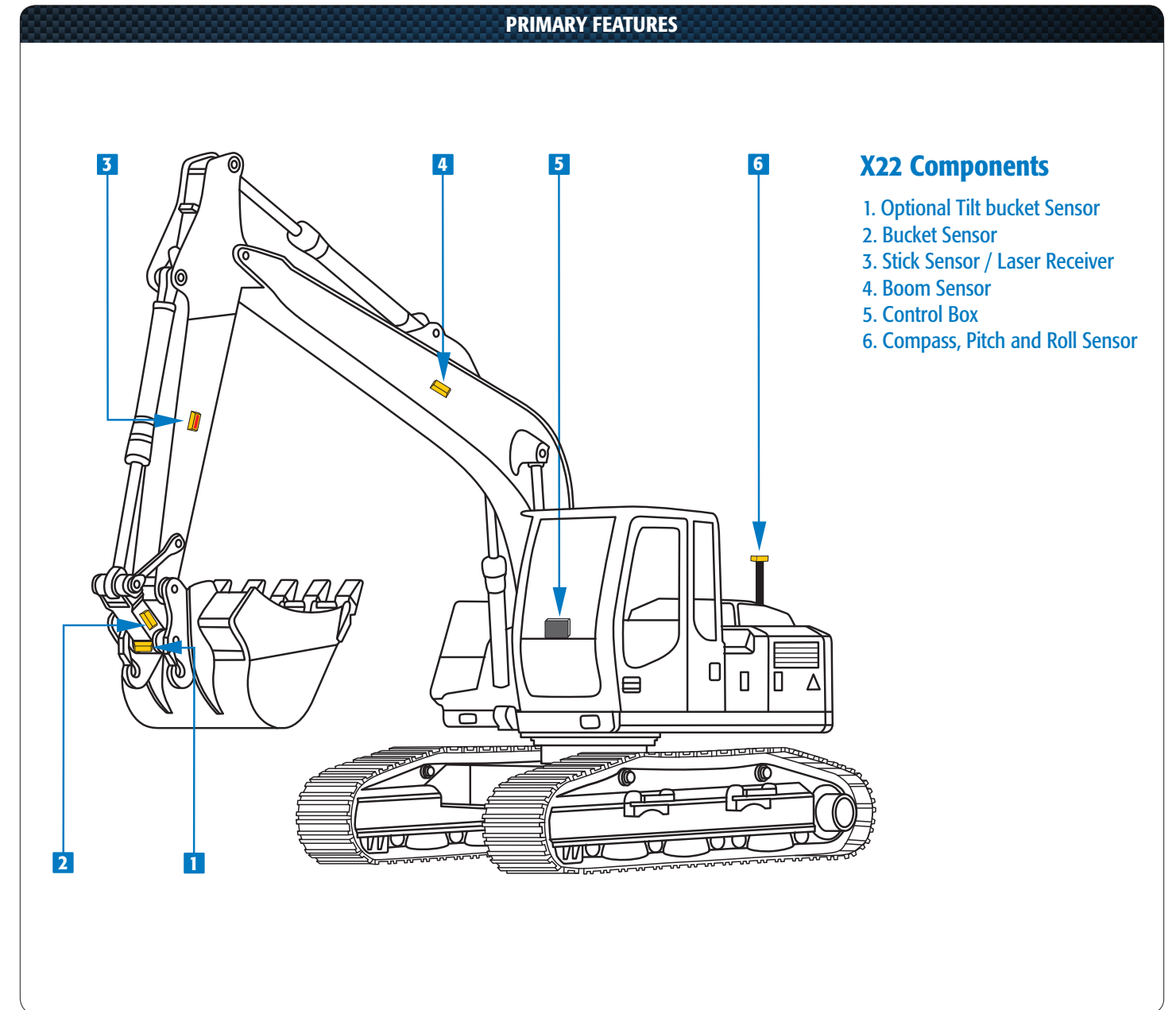
The X-22's wireless tilt sensors are completely sealed, rugged and built to last. Each sensor is equipped with a quick-release mount, which makes it easy to move to different machines. The entire system can be installed in less than two hours and calibrated for up to 20 different excavators. Plus, you can pre-measure for up to 20 different buckets per machine. This flexibility makes the X-22 system perfect whether you have a whole fleet of your own excavators, or rent machines.

The wireless sensors are rechargeable. Eight hours of charging gives you over 120 hours of continuous usage.

Compass, Pitch and Roll Sensors

The Compass, Pitch and Roll Sensor is located on the body of the excavator on a short mast. It knows the machine's exact orientation and wirelessly communicates that information to the control box.

No matter how the machine is positioned, the correct grade and slope is maintained.



Applications

The X-22 system is versatile and will make all your jobs – big or small – more productive. Reference any benchmark, set your depth in the control box and go to work.

You can also use a rotating laser as your reference for flat or slope work. Set up your laser, bench in with the X-22 and you'll know in an instant if you are above, below or exactly on grade.

