TOPCON

X-52x / X-53x

2D / 3D INDICATE CONTROL FOR EXCAVATORS

3D Indicate Control Excavator System

- Cut grade fast and accurately
- Cut flat, vertical and 3D surfaces
- Fully upgradeable
- Improves job safety
- Integrated multi-constellation GR-i3 GNSS receivers

Upgrade now to a 'future-proof' excavating System

Select the X-53x (full 3D system) now or get the X-52x (2D system) and easily upgrade later. Either choice sets you up with future-proof 500kpbs Baud Rate modular components ready for the next generation enhancements. No matter which system you start with, you will greatly enhance your excavating projects. 3D systems show a 30% productivity increase over non-equipped machines.

Get to grade faster

The 2D system ensures you will always cut to the correct grade, while the full 3D system provides even more advanced positioning assistance reducing the need for stakeout, grading and survey personnel. This allows you to work more independently, streamlining your workflow, allowing you to deliver on schedule.

Integrated Components

The X-53x system features fully integrated multi-constellation GR-i3 GNSS receivers for precise positioning of the boom, stick and bucket at all times.

MC-X1

The future-proof, compact and ruggedized MC-X1 GNSS machine controller supports current 2D/3D indicate systems now and future planned enhancements.

TS-i3

Tilt sensors are mounted on the boom, stick and bucket for elevation guidance at any angle.

GX-55 Specifications	
Supply Voltage	9 to 32 VDC
Ports	2x USB Ethernet RS-232 2x CANBus 2x Digital inputs
Display Panel	640x480 Color VGA, enhanced brightness with analog touchscreen
Operating System	Windows® CE
Operating Temp	-40°C to 70°C
Weight	1.26 kg with backpack 1 kg without backpack
MC-X1 Specifications	
Supply Voltage	9 to 32 VDC
Switched Output Power	5A sensor/conditioned output power
Ports	1 ea. port RS232/Digital IO 2 ea. Ethernet 2 ea. CAN
Operating temperature	-40°C (-40°F) to +80°C (+176°F)
Shock	25 g, 11 ms ½ sine wave 6X each axis
Weight	.23 kg (.5 lb)
Dust/Water Rating	IP67
GR-i3 GNSS Receiver	
Channels	226 Universal Tracking Channels
Signals Tracked	GPS: L1, L2, L2C; GLONASS: L1, L2, L2C; BeiDou: B1, B2; Galileo: E1; SBAS; QZSS: L1, L2C
Accuracy	When utilized with RTK H: 5 mm + 0.5 ppm x baseline; V: 10 mm + 0.8 ppm baseline
Ports	CANopen
Wireless	BT 2.0/BLE 4.1
Operating Temperature	-40°C (-40°F) to +80°C (176°F)
Ingress Protection	IP67
Shock Test	25G 11 ms 1/2 sine wave each axis
Salt Fog Test	JDQ 53.3 section 4.1
Vibration Test	10-200 random 7.7 Frms, 8 hours each axis

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For more information:
topconpositioning.com/x-52x
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