

X-53i LPS 3D CONTROL FOR EXCAVATORS



GX-55 Control BoxSupply Voltage9 to 32 VDCPorts2x USB Ethernet RS-232 2x CANBus 2x Ugital inputsDisplay640x480 Color VGA, enhanced brightness with analog touchscreenOperating SystemVindows® Compact 7Operating Temp40°C to 70°CWeight1.26 kg with backbpack h (with ubackpack 1 kg withou backpack)GNSSSingle or DualOptrastSingle or DualOptrastS232 RS232/RS485 10/100 Ethernet CAN J1939 / CANOPEDConnectorsDeutsch DTMO6 12 pin (Ethernet and CAN) 2X TNC for GNSSShock25 g.11 ms, any axis (aptional)Vieight1 kgToustowater Rating1010 30 VDCSupply Voltage101 30 VDCShock201°Supply Voltage101 and companyShock201°Supply Voltage101 and companyGunectorsMarcinal (Contional) 2 TNC for GNSSSupply Voltage101 and vDCSupply Voltage101 and vDCGunectorsMarcinal (Altage)Fully Voltage101 and vDCAccuracy0.1°HousingCast aluminum, black powder coated suffaceDist/Water RatingPF88, IP69K		
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Internet RS-232 2x CANBus 2x Digital inputsDisplay640x480 Color VGA, enhanced brightness with analog touchscreenOperating SystemVindows® Compact 7Operating Temp-40°C to 70°CWeight1.26 kg with backbpack 1 kg without backpack 1 kg without backpack MC-i4 Receiver 9 to 32 VDCSupply Voltage9 to 32 VDCGNSSSingle or DualPortsRS232 RS232/RS485 10/100 Ethernet CAN J1939 / CANOPENConnectorsDeutsch DTM06 12 pin (power, ground, serial) Deutsch DTM06 12 pin (Ethernet and CAN) RP-TNC (cellular radio) RP TNC (LongLink, or Vi-Fi, or UHF radio (optional)) 2x TNC for GNSSShock25 g, 11 ms, any axisWeight1 kgDustWater Rating10 to 30 VDCConnectors10 to 30 VDCSupply Voltage10 to 30 VDCConnectors0.01°Resolution0.01°Accuracy0.1°	Supply Voltage	9 to 32 VDC
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Weight 1 kg Dust/Water Rating IP67 TS-i3 Sensor IP67 Supply Voltage 10 to 30 VDC Connectors M12 Resolution 0.01° Accuracy 0.1° Housing Cast aluminum, black powder coated surface	Connectors	(power, ground, serial) Deutsch DTM06 12 pin (Ethernet and CAN) RP-TNC (cellular radio) RP TNC (LongLink, or Wi-Fi, or UHF radio (optional)) 2x TNC for GNSS
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TS-i3 Sensor Supply Voltage 10 to 30 VDC Connectors M12 Resolution 0.01° Accuracy 0.1° Housing Cast aluminum, black powder coated surface	Weight	1 kg
Supply Voltage 10 to 30 VDC Connectors M12 Resolution 0.01° Accuracy 0.1° Housing Cast aluminum, black powder coated surface	Dust/Water Rating	IP67
Connectors M12 Resolution 0.01° Accuracy 0.1° Housing Cast aluminum, black powder coated surface	TS-i3 Sensor	
Resolution 0.01° Accuracy 0.1° Housing Cast aluminum, black powder coated surface	Supply Voltage	10 to 30 VDC
Accuracy 0.1° Housing Cast aluminum, black powder coated surface	Connectors	M12
Housing Cast aluminum, black powder coated surface	Resolution	0.01°
powder coated surface	Accuracy	0.1°
Dust/Water Rating IP68, IP69K	Housing	
	Dust/Water Rating	IP68, IP69K

Robotic Total Station Control for Excavators



Exceed expectations with the modern LPS (Local Position System) for excavators series. This global solution has become the go-to choice for 3D positioning and repeatability, especially while working in harsh environments.

Conquer the site

Increase safety and save time even when excavating complex slopes or "in the blind". It all starts with the impressive ability of the PS robotic total station to constantly track and stay with the glass prism – a feat made possible with intelligent algorithms working in the background.

In the cab, a user-friendly 3D-MC software interface offers just what you need for everyday excavation and to ensure that you stay on grade at every critical moment.

Add in an inertial measurement unit (IMU) to account for rotation and the system becomes complete.

MC-i4

Mounted inside the machine to prevent damage, this versatile receiver allows for multiple communication options.



TS-i3

Tilt sensors are mounted along the bucket, stick, boom, and body for complete 3D control at any angle.





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