GX-55 Control Box	
Supply Voltage	9 to 32 VDC
Ports	2x USB Ethernet RS-232 2x CANBus 2x Digital inputs
Display	640x480 Color VGA, enhanced brightness with analog touchscreen
Operating System	Windows® Compact 7
Operating Temp	-40°C to 70°C
Weight	1.26 kg with backpack 1 kg without backpack

MC-i4 Receiver	
Supply Voltage	9 to 32 VDC
GNSS	Single or Dual
Ports	RS232 RS232/RS485 10/100 Ethernet CAN J1939 CAN J1939 / CANOPEN
Connectors	Deutsch DTM06 12 pin (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 (optional)
Shock	25 g, 11 ms, any axis
Weight	1 kg
Dust/Water Rating	IP67

TS-i3 Sensor	
Supply Voltage	10 to 30 VDC
Connectors	M12
Resolution	0.01°
Accuracy	0.1°
Housing	Cast aluminum, black powder coated surface
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.

TOPCON

For more information:
topconpositioning.com/x-53i-lps