



X-53
3D MACHINE CONTROL
FOR EXCAVATORS



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-R3 Specifications

Supply Voltage	10 to 30 VDC
GNSS	GPS, GLONASS, SBAS
Channels	144
Radio	GSM/CDMA/HSPA 915SS Digital UHFII
Ports	RS-485 RS-232 GMU 2x GNSS 2x Millimeter GPS External modem 2x CAN 2x Ethernet I2C for Smart Knob™ SIM Card (optional)
Shock	50G 11ms 1/2 sine wave each axis
Dust/Humidity	IP66

TS-1 Specifications

Supply Voltage	10 to 30 VDC
Resolution	.01 Degree
Protocol	CAN-Open
Sensor	Solid state, 3-axis, 360
Housing	Powder-coated aluminum
Dust/Humidity	IP67

3D Excavator System



- Multiple views for easy bucket and site navigation
- Swap components with other machines on the fly
- Sitelink3D integration for complete job site management
- Lightbar grade guidance and built-in audible alarms

Excavate with full potential

Connect and unleash the power of your excavator with a modern 3D control system. The system's main components include a versatile MC-R3 GNSS receiver, TS-1 tilt sensors, and a sleek GX-55 control box – ready to take on your next project.

Bucket awareness

The X-53 excavator system conveniently offers multiple guidance functions while achieving grade. Constant tracking of the GNSS constellations above pin down the excavator's geographic location with confidence and accuracy.

The excavator then stays fully positioned within the project site as well as the bucket's precise location to safely grade to design. Powerful yet intuitive 3DMC software guides the operator to control the machine for simple usage through complex or deep cuts, blind excavations, or when working around structures.

MC-R3 Receiver

Fully interchangeable GNSS receiver for complete machine control functionality.



TS-1 Tilt Sensor

Mounted along the bucket, stick, boom, and body for exact control at any angle.



For more information:
topconpositioning.com/x-53

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