

KOMATSU

X-52

2D MACHINE
CONTROL FOR
EXCAVATORS

 TOPCON



Photos of the equipment are referential, may include optional equipment

I 2D excavator system



- Improves job safety.
- Work from an existing elevation reference or laser.
- Easily upgradeable to full 3D solution.
- Create, cut, and check complex designs from the cab.
- Lightbar grade for visual guidance.

»2D excavation essentials

»The X-52 is a streamlined and modern excavation system that gets you to grade as a cost effective 2D solution. Our ruggedized LS-B10W laser receiver combined with compact TS-1 tilt sensors lets you stay on grade without having to ever re-string. The GX-55 control box actively guides your bucket where it needs to be and gives you an experience that was designed for your excavating skills. When future projects dictate GNSS location as well as horizontal repeatability, the modern X-52 system is easily upgradeable.

»Become one with your work

»Today's demand for a safe site is easily answered by incorporating our excavator systems to your daily tasks. We keep field crews out of the hole and optimize digging to save you money and keep schedules on track.

»The X-52 excavator system gives you the flexibility to use a wide array of references to work from: existing surface, a hub, a previous cut, or a rotating laser. It's as simple as choosing your reference and entering a cut and/or slope depth for immediate results.

»TS-1 tilt sensor

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



»LS-B10W

»Small and lightweight laser receiver for active grade guidance.



»Graphical user interface

- Windows CE®.
- Touch screen interface.
- Internal battery provides functionality away from the machine.
- Integrated LED lightbar.

GX-55 Specifications

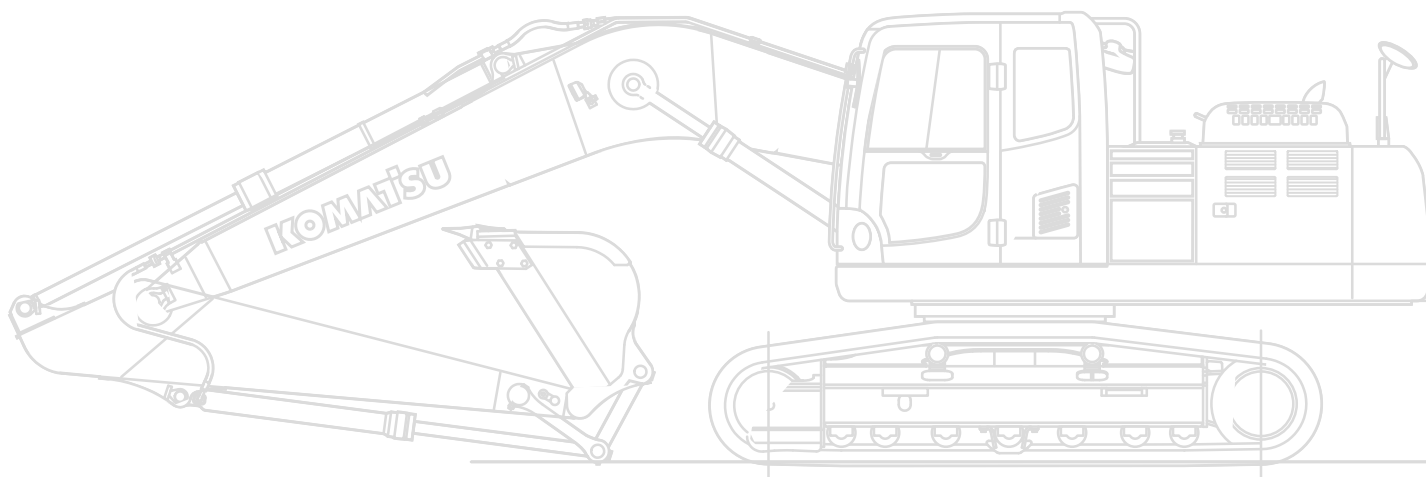
Supply voltage	9 to 32 VDC
Ports	2x USB Ethernet, RS-232 2x CANBus 2x Digital inputs
Display panel	640 x 480 color VGA, enhanced brightness with analog touchscreen
Operating system	Windows® CE
Operating temp	-40°C to 70°C
Weight	1.26 kg with backpack 1 kg without backpack

TS-1 specifications

Supply voltage	10 to 30 VDC
Resolution	0.1°
Protocol	CAN-open
Sensor	Solid state, 3-axis, 360°
Housing	Powder-coated aluminum
Dust/humidity	IP67

LS-B10W specifications

Detection range	Vertical: 120 mm Horizontal: 270°
On-grade zone	2 mm, 6 mm, 12 mm, 30 mm
Ports	CAN/wireless
Dimensions	115 x 40 x 180 mm



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