

CFX-750 DISPLAY

TECHNICAL SPECIFICATIONS



PHYSICAL SPECIFICATIONS

Size (W x H x D)	267 mm wide x 190.6 mm high x 135.5 mm deep (w/450 MHz radio)
Weight	3.05 kg (6.71 lbs) (w/450 MHz radio)

ELECTRICAL SPECIFICATIONS

Normal operational voltage range	9 - 16 V DC
Minimum operational voltage	+9 to +16 V. Nominal is +12 V.
Nominal current draw at 14 V DC	0.75 to 1.3 A Nominal is 1.0 A at 12 V.
Reverse polarity protection	Yes
Over-voltage protection	Yes
Maximum amperage	5.0 A

MECHANICAL SPECIFICATIONS

Ports	Two 12-pin Deutsch connectors with RS-232 and CAN ports on each connector. One 6-pin connector for PC Power.
Firmware upgrades	USB drive
Mounting	RAM mount with two 10-32 x 1/2 pan head Phillips drive stainless steel screws

ENVIRONMENTAL SPECIFICATIONS

Operating temperature range	-20 °C through +70 °C (-4 °F through +158 °F)
Storage temperature range	-30 °C through +80 °C (-22 °F through +176 °F)
Water resistance specification	IP54

GPS

The CFX-750™/FM-750™ display's receiver is a multi-channel super-heterodyne design—the front end RF distribution network provides for satellite radio navigation input signals from the antenna inputs to be evenly and efficiently distributed to the down conversion channels (L1,L2,G1,G2) each. The receiver channels simultaneously down convert the combination of GPS or GLONASS global positioning signals. A sixth channel is dedicated for the receipt of the OmniSTAR differential GPS service on one of the antenna inputs. The down-converted analog signal of each band is subsequently digitized and then presented to the DSP circuitry.

DISPLAY

- 8.0" normal (16:9) aspect ratio LCD with visual clarity when viewed
- in direct sunlight and inside the cab of a modern agricultural vehicle
- Touch-screen with anti-glare finish
- Operating temperature range of 20 °C through 70 °C (68 °F through +158 °F)
- Able to withstand typical vibration and shock expected in an agricultural vehicle

CAPABILITIES

Supported baud rate range: 4800 to 115,000 bps, 8 data bits, 1 stop bits, no parity. Firmware serial protocols including the following:

- CMR
- NMEA
- TSIP
- Firmware upgrade - using the Trimble proprietary protocol (TSIP)
- CAN communication: NMEA and J1939 at 25 kbps

www.trimble.com/agriculture

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