

Leica MCP80

3D Machine Control Panel Datasheet



One for all

The Leica MCP80 3D machine control panel has one common interface across all 3D machine control applications – meaning that it is interchangeable between any heavy construction machine. Users, from machine control operators to dealers, just need to be trained in one 3D panel.



Robust design

With a robust design and structure, the MCP80 control panel is prepared for the hardest environments. IP66 and IP67 rated, the panel is protected against dust and water penetration – making it a truly resilient control unit for heavy construction. With the in-cabin mounted cradle handling all cable connections, the MCP80 is fully cable-free.



Ease of use

The MCP80 is built with a customer-centered design screen with a 8" full colour touch-screen and backlit buttons. Fixed to the on-cabin mounted Leica MDS10/20/30 cradle via PowerSnap, the operator simply needs to unlock the panel after work and place the panel on a safe place which reduces the risk of theft.

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ENVIRONMENTAL DATA

Water/Dust rating	IP66, IP67
Operation temperature	-30° - 60°C
Storage temperature	-40° - 85°C
Humidity	Damp heat (humidity condensing)* Compliance with IEC60068-2-30 *The effects of condensation are to be effectively counteracted by periodically drying out the product.
Vibration	IEC 60068-2-6 5-500 Hz; 5g; ±15 mm MIL-STD-810G, CHG-1 Fig. 514.7E-1; Category 4 Fig. 514.7E-1; Category 24
Shock	IEC 60068-2-27 60 g - 6 msec
Drops	Withstands 80 cm onto hard surfaces

DISPLAY / MECHANICAL DATA

Screen	8"
Resolution	800x480 pixels
Brightness	1300 cd/m2 / 800:1 typical
PCAP touch	13 buttons Optically bonded, strengthened and anti-reflective coating
Ambient light sensor for LCD backlight and keypad backlight	Yes, 0-100% adjustable
Status indicator LED on panel	Yes (over/under temp./voltage)
Front USB	For software and model uploading and file storage

COMPLIANCE

CE	2014/53/EU (RED), 2006/42/EC (MD)
FCC	Part 15B, 22, 24, 27, 90
RoHs	2011/65/EU
WEEE	2012/19/EU

STANDARDS

EMC	ISO13309 ISO13766 EN/ISO 14982
Machinery	EN/ISO 12100

ELECTRICAL

Wifi/BT	Internal + internal antenna
GPS/GLONASS	Internal + internal antenna
CPU	1.7 GHz Dual Core Intel
RAM	4GB DDR3L RAM
Flash storage	32GB eMMC Flash

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