

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 undock the panel after work and place the panel on a safe place which reduces the risk of theft.

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PART OF
HEXAGON

Leica MCP80



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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