

# Leica MCP80

## 3D Machine Control Panel

### Data sheet



#### 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 harshest 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-centred 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.

[leica-geosystems.com](http://leica-geosystems.com)



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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)*<br>Compliance with IEC60068-2-30  |
| Vibration             | IEC 60068-2-6<br>5-500 Hz; 5g; ±15 mm<br>MIL-STD-810G_CHG-1<br>Fig. 514.7E-1; Category 4<br>Fig. 514.7E-1; Category.24 |
| Shock                 | IEC 60068-2-27<br>60 g - 6 msec  |
| Drops                 | Withstands 80 cm onto hard surfaces  |

## DISPLAY / MECHANICAL DATA

|   |  |
|---|--|
| Screen  | 8"   |
| Resolution  | 800 x 480 pixels   |
| Brightness  | 1300 cd/m2 / 800:1 typical   |
| PCAP touch  | 13 buttons<br>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<br>ISO13766<br>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           | 4 GB DDR3L RAM              |
| Flash storage | 32 GB eMMC Flash            |

\*The effects of condensation are to be effectively counteracted by periodically drying out the product.

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**Leica Geosystems AG**  
Heinrich-Wild-Strasse  
9435 Heerbrugg, Switzerland  
+41 71 727 31 31

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