Leica ScanStation
P40/P30
Quick Guide

Version 1.0
English

- when it has to be right
Important Information about your Instrument

Read and follow the User Manual on the accompanying USB card before using the product.

Keep for future reference!

Intended use

- Measuring horizontal and vertical angles.
- Measuring distances.
- Scanning objects.
- Capturing and recording images.
- Recording measurements.
- Computing with software.
- Remote control of product.
- Data communication with external appliances.
**Laser products**

The ScanStation P40/P30 instrument contains the following laser products:

<table>
<thead>
<tr>
<th>Laser product</th>
<th>Laser class</th>
</tr>
</thead>
<tbody>
<tr>
<td>EDM (Electronic Distance Measurement) module</td>
<td>Class 1</td>
</tr>
<tr>
<td>Laser plummet</td>
<td>Class 1</td>
</tr>
</tbody>
</table>

The classification is in accordance with IEC 60825-1 (2014-05).
Locations of laser apertures

a) Laser beam
b) Laser beam (Laser plummet)
c) Exit for laser beam (Laser plummet)

The product must not be disposed with household waste.
Conformity to national regulations

- FCC Part 15 (applicable in US)
- Hereby, Leica Geosystems AG, declares that the product ScanStation P40/P30 is in compliance with the essential requirements and other relevant provisions of Directive 1999/5/EC. The declaration of conformity can be consulted at http://www.leica-geosystems.com/ce.

Class 1 equipment according European Directive 1999/5/EC (R&TTE) can be placed on the market and be put into service without restrictions in any EEA member state.

- The conformity for countries with other national regulations not covered by the FCC part 15 or European directive 1999/5/EC has to be approved prior to use and operation.
  - This device is granted pursuant to the Japanese Radio Law and the Japanese Telecommunications Business Law.
  - This device should not be modified (otherwise the granted designation number will become invalid).
Components of the ScanStation P40/P30

- a) Antenna
- b) Removable handle
- c) Rotating mirror (laser and camera aperture)
- d) Battery compartment B
- e) Circular level
- f) Socket for power supply, 5 pin female with blue colour ring
- g) ON/OFF button
- h) USB socket
- i) Loudspeaker
- j) Stylus
- k) Touchscreen
- l) Battery compartment A
- m) Ethernet socket, 8 pin female with grey colour ring
Technical Data

**Environmental specifications**

**ScanStation P40/P30**

### Temperature range:

<table>
<thead>
<tr>
<th>Type</th>
<th>Operating temperature [°C]</th>
<th>Storage temperature [°C]</th>
</tr>
</thead>
<tbody>
<tr>
<td>Instrument</td>
<td>-20 to +50</td>
<td>-40 to +70</td>
</tr>
<tr>
<td>AC-power supply</td>
<td>0 to +40</td>
<td>-25 to +65</td>
</tr>
</tbody>
</table>

### Protection against water, dust and sand:

<table>
<thead>
<tr>
<th>Type</th>
<th>Protection</th>
</tr>
</thead>
<tbody>
<tr>
<td>Instrument</td>
<td>IP54 (IEC 60529) Dust protected Protection against splashing water from any direction</td>
</tr>
</tbody>
</table>

### Humidity:

<table>
<thead>
<tr>
<th>Type</th>
<th>Protection</th>
</tr>
</thead>
<tbody>
<tr>
<td>Instrument</td>
<td>Max 95 % non condensing</td>
</tr>
</tbody>
</table>
4 Care and Transport

Care and transport

• Carry the product in its original container or carry the tripod with its legs splayed across your shoulder, to protect the product against shock and vibration.
• Periodically carry out test measurements and perform the field adjustments indicated in the User Manual, particularly after the product has been dropped, stored for long periods or transported.
5 Operation

The battery must be charged before using it for the first time.

Turning on and off the instrument

2s > ON
2s > OFF
EC Declaration of Conformity

This corresponds to EN ISO/IEC 17050-1.

We, Leica Geosystems AG, CH-9435 Heerbrugg (Switzerland), declare under our sole responsibility that the product(s) ScanStation P40/P30, following the provision of Directive(s)

- 2006/42/EC Machinery (MD)
- 2004/108/EC Electromagnetic compatibility (EMC)
- 1999/5/EC Radio and telecommunications terminal equipment (RTTE) (in accordance with annex II / III)
- 2011/65/EU Restriction of hazardous substances (RoHS)

to which this declaration relates, is in compliance with the following standards:

- EN 55022:2010
- IEC 60825-1:2014
- EN 61000-6-1:2007
- EN 300328 V1.8.1
- EN 301 489-1 V1.9.2:2011
- EN 301 489-17 V2.2.1:2012

Leica Geosystems AG
For a signed version and translations into the official EU languages please refer to: http://www.leica-geosystems.com/ce