Leica
ScanStation P40/P30
Equipment List
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Leica ScanStation P30 Standard Package, consisting of:

- 1x ScanStation P30 Laser scanner (808 687)
- 1x GVP645 Transport box (769 625)
- 1x GDF323 Tribrach without optical plummet (777 970)
- 4x GEB242 Lithium-Ion Battery (793 975)
- 1x GKL311 Single Charger Prof 3000 (799 185)
- 1x GEV228 Data cable (766 567)
- 1x GHM008 Scanner height meter (772 829)
- 1x GHT196 Distance holder for height meter (722 045)
- 1x ScanStation P40/P30 Quick Guide
- 1x ScanStation P40/P30 System USB stick
- 1x Cyclone CD (755 609)
- 1 year CCP Basic contract (6009442)
2 Scanner Set ScanStation P40

Leica ScanStation P40 Standard Package, consisting of:

- 1x ScanStation P40 Laser scanner (827 494)
- 1x GVP645 Transport box (769 625)
- 1x GDF323 Tribrach without optical plummet (777 970)
- 4x GEB242 Lithium-Ion Battery (793 975)
- 1x GKL311 Single Charger Prof 3000 (799 185)
- 1x GEV228 Data cable (766 567)
- 1x GHM008 Scanner height meter (772 829)
- 1x GHT196 Distance holder for height meter (722 045)
- 1x ScanStation P40/P30 Quick Guide
- 1x ScanStation P40/P30 System USB stick
- 1x Cyclone CD (755 609)
- 1 year CCP Basic contract (6009442)
Accessories for ScanStation P40/P30

3 Accessory Set

6006980 Leica ScanStation Pxx Accessory Set, consisting of:
• 1x GVP652 Accessory Container (769 626)
• 1x GEB271 External universal battery (766 783)
• 1x GKL271 Charging station for GEB271 (766 784)
• 1x GEV225 AC power supply for GKL271 (767 652)
• 1x GEV259 1.8m power cable (789 617)
• 4x GEB242 Lithium-Ion Battery (793 975)
• 1x GKL311 Single Charger Prof 3000 (799 185)

4 Power Supply

4.1 Internal Power Supply

793 975 GEB242 Lithium-Ion battery, 14.8V/5.8Ah, rechargeable.
799 187 GKL341 Charger Prof 5000. Charges up to 4 batteries, including power cable.
734 389 GDC221 Car adapter for the GKL341 charger. Allows the use of the GKL341 with a cigarette lighter; 12V/24V DC/DC converter.
799 185 GKL311 Single Charger Prof 3000. Charger for one Li-Ion battery including AC/DC adapter and car adapter cable.

4.2 External Power Supply

766 783 GEB271 Lithium-Ion, 14.8V, 16.8Ah. Can only be used together with the GKL271 charging station (766 784).
766 784 GKL271 Charging station for the GEB271 external universal battery (766 783), 14.8V/24/36V output power.
767 652 GEV225 AC power supply for the GKL271 charging station (766 784). For indoor use only!
789 617 GEV259 GEV259, 1.8m power cable to connect ScanStation Pxx scanner with GKL271 charging station (766 784).

4.3 AC Power Supply

789 618 GKL123 GKL123, AC power supply for the ScanStation Pxx scanner. For indoor use only!
5 Data Transfer

766 567  GEV228  ScanStation Pxx data cable, 2.5m, standard ethernet jack to Lemo (8pin). Connects ScanStation Pxx with computer.
812 212  GEV281  Synchronisation Cable.

6 Instrument Height Meter

772 829  GHM008  Scanner height meter.
722 045  GHT196  Distance holder for height meter.

7 Tribrachs

777 508  GDF321  Tribrach, without optical plummet, pale green.
777 509  GDF322  Tribrach, with optical plummet, pale green.
777 970  GDF323  Tribrach, without optical plummet, black.

8 Tripods

670 238  Fibreglass tripod with quick clamp.
332 200  GST4  Tripod-star, for setting up tripods on hard and slippery surfaces.

9 Targets

9.1 Targets

822 694  GZT21  4.5” circular black/white tilt & turn target for ScanStation. Leica standard stub fitting to mount on e.g. GLS12 pole. Centre height at Leica standard reflector height.
6009743  Target package, consisting of:
• 4x GZT21 Scanning target (822 694)
• 4x GAD50 Stub-to-Screw adapter (823 044)
• 4x Flat magnet mount (670 229)
• 1x GVP703 Soft bag (790 314)

9.2 Target Accessories

670 223  Target tripod.
670 224  Target tripod bag.
790 314  GVP703  Soft bag, for 4.5” circular black/white tilt & turn targets.
667 319  Dual Strut Support. With 2 telescopic legs, for rapid set-up. Suitable for poles of all diameters.
### 9.3 Target Pole

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>385 500</td>
<td>Reflector pole with stub. Quick release clamp for easy and rapid height adjust-</td>
</tr>
<tr>
<td></td>
<td>ment. Graduated in cm and ft, minimum length 1.24 m (4.07 ft), extendible to 2.15 m</td>
</tr>
<tr>
<td></td>
<td>(7.05 ft), weight 940 g (2.07 lb).</td>
</tr>
</tbody>
</table>

### 9.4 Magnetic Mount for Targets

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>670 228</td>
<td>V-block magnetic mount for targets with 5/8&quot; x 11 threaded post, for mounting on steel pipes.</td>
</tr>
<tr>
<td>670 229</td>
<td>Flat magnetic mount for targets with 5/8&quot; x 11 threaded post, for mounting on flat steel surfaces.</td>
</tr>
</tbody>
</table>

### 9.5 Reflector Carriers

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>667 313</td>
<td>Carrier with stub, pale green.</td>
</tr>
</tbody>
</table>

### 9.6 Adapter

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>823 044</td>
<td>Adapter for mounting reflectors and target plates with stub fitting on 5/8&quot; carriers.</td>
</tr>
</tbody>
</table>

### 10 Reflectors

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>639 985</td>
<td>360° reflector.</td>
</tr>
<tr>
<td>754 384</td>
<td>360° reflector with 5/8&quot; thread.</td>
</tr>
<tr>
<td>774 700</td>
<td>GAD104-to-Stub adapter. Adapter to mount Leica reflectors on GAD104 SmartAntenna adapter.</td>
</tr>
<tr>
<td>779 082</td>
<td>GAD110-to-Stub adapter. Adapter to mount Leica reflectors on GAD110 Smart- Antenna adapter.</td>
</tr>
</tbody>
</table>
11 GNSS (Global Navigation Satellite System)

11.1 GNSS SmartAntenna

771 504 GS15 Leica GS15 Professional SmartAntenna.

11.2 SmartAntenna Adapter

767 802 GAD110 SmartAntenna adapter to mount GS15 SmartAntenna.

11.3 Controller for GNSS SmartAntenna

810 857 CS10 Radio Field Controller

CS10 Radio Field Controller.
Ruggedized WinCE field controller with full VGA touch display, 1 GB NAND flash memory, 512 MB SDRAM, CF/SD card slot and 2MP camera.
Includes Bluetooth, internal WLAN module, internal TPS radio module, numeric keypad, stylus.
Available with either Lemo connector (CBC01) or Dsub connector module (CBC02).

810 856 CS15 Radio Field Controller

CS15 3.5G Field Controller.
Ruggedized WinCE field controller with full VGA touch display, 1 GB NAND flash memory, 512 MB SDRAM, CF/SD card slot and 2MP camera.
Includes Bluetooth, internal WLAN module, 3.5G GSW/UMTS module, QWERTY keypad, stylus.
Available with either Lemo connector (CBC01) or Dsub connector module (CBC02).

For details about additional required products and accessories to use the GNSS option or other antenna and controller configurations please refer to the Leica Viva GNSS or Leica Viva TPS TS11/TS12/TS15 equipment lists.

12 Additional Containers

769 625 GVP645 ScanStation Pxx transport container.
769 626 GVP652 ScanStation Pxx accessory container.
805 221 GVP710 Transport box light for ScanStation Cxx/Pxx.

Note: For careful transportation only. Not designed for substantial shipping!

13 Mounting Adapters

6007705 Upside Down Adapter Set, consisting of:
• 1x Upside Down Mounting Plate (799 138)
• 1x Upside Down Mounting Adapter (799 724)
• 1x Water cover (798 536)

6007742 2D Profiling Adapter Set, consisting of:
• 1x Upside Down Mounting Plate (799 138)
• 1x 2D Profiling Scanner Adapter (799 729)
• 1x Water cover (798 536)
14 External Camera Kit

External camera kit for ScanStation Pxx, consisting of:
- 1x Transport box for Canon EOS 60D/70D camera (780 900)
- 1x Bracket for Canon EOS 60D/70D camera (795 373)
- 1x USB cable for Canon EOS 60D/70D camera (795 668)
- 1x ScanStation Pxx System USB card

Does not include Canon EOS 60D/70D camera and fish eye lens!
Does not include license for ScanStation Pxx external camera option (822 999).

15 License Options

807 280 API Data Access Option. Enables access to ScanStation Pxx 3D point cloud data in 3rd party software packages.

822 999 ScanStation Pxx external camera option.

16 Upgrade Options

829269 Upgrade of Leica ScanStation P30 to Leica ScanStation P40. This upgrade can only be done in the Leica Service Workshop in Switzerland.
Suggested Equipment Setups

17 Configuration stand alone/internal Battery

18 Configuration scan laptop/external Battery
19 Configuration stand alone/internal Battery with Reflector on top
20 Configuration stand alone/internal Battery with GPS Antenna on top

For details about additional required products and accessories to use the GNSS option or other antenna and controller configurations please refer to the Leica Viva GNSS or Leica Viva TPS equipment lists.
Software and Care Packages

21 Software

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>755 609</td>
<td>CD-ROM Cyclone.</td>
</tr>
<tr>
<td>807 280</td>
<td>API Data Access Option. Enables access to ScanStation Pxx 3D point cloud data in 3rd party software packages.</td>
</tr>
</tbody>
</table>

22 Customer Care Packages (CCP)

The ScanStation P30 standard package (6009376) and the ScanStation P40 standard package (6009377) include a 1 year CCP Basic contract. Multi-Year CCP contracts are available for ScanStation P30 and ScanStation P40, but can only be ordered with the initial purchase of an instrument.

<table>
<thead>
<tr>
<th>Code</th>
<th>Description</th>
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<tbody>
<tr>
<td>6009443</td>
<td>2 year CCP Basic.</td>
</tr>
<tr>
<td>6009444</td>
<td>3 year CCP Basic.</td>
</tr>
<tr>
<td>6009445</td>
<td>1st year CCP Blue.</td>
</tr>
<tr>
<td>6009446</td>
<td>2 year CCP Blue.</td>
</tr>
<tr>
<td>6009447</td>
<td>3 year CCP Blue.</td>
</tr>
<tr>
<td>6009448</td>
<td>2 year CCP Bronze.</td>
</tr>
<tr>
<td>6009449</td>
<td>3 year CCP Bronze.</td>
</tr>
<tr>
<td>6009451</td>
<td>1st year CCP Silver.</td>
</tr>
<tr>
<td>6009452</td>
<td>2 year CCP Silver.</td>
</tr>
<tr>
<td>6009453</td>
<td>3 year CCP Silver.</td>
</tr>
<tr>
<td>6009455</td>
<td>1st year CCP Gold.</td>
</tr>
<tr>
<td>6009456</td>
<td>2 year CCP Gold.</td>
</tr>
<tr>
<td>6009457</td>
<td>3 year CCP Gold.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th></th>
<th>Customer Support</th>
<th>Firmware/Software Maintenance</th>
<th>Extended Warranty</th>
<th>Hardware Maintenance incl. Calibration</th>
<th>Loaner Instrument</th>
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</thead>
<tbody>
<tr>
<td>Basic</td>
<td>✓</td>
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<td></td>
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</tr>
<tr>
<td>Blue</td>
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<tr>
<td>Bronze</td>
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<tr>
<td>Silver</td>
<td>✓</td>
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<tr>
<td>Gold</td>
<td>✓</td>
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</tr>
</tbody>
</table>

For further details about HDS Customer Care Packages refer to document 767 474 (Active Customer Care - Leica Customer Care Packages for HDS Hardware and Software).
Trademarks & Technical Data

23 Trademarks

The Bluetooth® word mark and logos are owned by Bluetooth SIG, Inc. and any use of such marks by Leica Geosystems AG is under license.
Other trademarks and trade names are those of their respective owners.

24 Technical Data

Laser plummet:
LED class 1 in accordance with IEC 60825-1 resp. EN 60825-1

Scanner:
Laser class 1 in accordance with IEC 60825-1 resp. EN 60825-1
Whether you’re designing a modification to a complex refinery piping system, surveying a site or documenting a historic building, you need reliable measurements. High-Definition Surveying scanning systems and software by Leica Geosystems provide you with exact data of what’s there.

When your as-built information has to be right, rely on Leica Geosystems, the company that professionals trust for their scanning solutions. Leica Geosystems is best known for pioneering scanning technology with trustworthy, total solutions: versatile, accurate laser scanners, industry standard point cloud software, and a full complement of accessories, training and support.

Precision, quality and service from Leica Geosystems.

When it has to be right.