



# Leica RTC300/ RTC500/RTC700

## Equipment List

English  
Version 1.0



**Kuker-Ranken**  
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[www.KukerRanken.com](http://www.KukerRanken.com)



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# Leica RTC300/RTC500/RTC700

## 1 Scanner set RTC300

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6020227

RTC300 Scanner Package, consisting of:

- 1x RTC300 Laser Scanner (1049888)
  - 1x GVP780 Transport Container for RTC300/500/700 (1001248)
  - 4x GEB461 Lithium-Ion Battery (973449)
  - 1x GKL341 Charger PRO 5000 (799187)
  - 1x RTC Rain Cover (636767)
  - 1x Leica RTC300/500/700 Quick Guide
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## 2 Scanner set RTC500

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6020225

RTC500 Scanner Package, consisting of:

- 1x RTC500 Laser Scanner (1021010)
- 1x GVP780 Transport Container for RTC300/500/700 (1001248)
- 4x GEB461 Lithium-Ion Battery (973449)
- 1x GKL341 Charger PRO 5000 (799187)
- 1x RTC Rain Cover (636767)
- 1x Leica RTC300/500/700 Quick Guide

## 3 Scanner set RTC700

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6020224

RTC700 Scanner Package, consisting of:

- 1x RTC700 Laser Scanner (1021011)
- 1x GVP780 Transport Container for RTC300/500/700 (1001248)
- 4x GEB461 Lithium-Ion Battery (973449)
- 1x GKL341 Charger PRO 5000 (799187)
- 1x RTC Rain Cover (636767)
- 1x Leica RTC300/500/700 Quick Guide

## 4 Scanner set RTC700 - surveyor package

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6020223

RTC700 Scanner Package for Surveyors, consisting of:

- 1x RTC700 Laser Scanner (1021011)
- 1x GVP780 Transport Container for RTC300/500/700 (1001248)
- 4x GEB461 Lithium-Ion Battery (973449)
- 1x GKL341 Charger PRO 5000 (799187)
- 1x GDF324 Tribrach PRO, with optical plummet black (1042177)
- 1x GAD120 Adapter to tribrach (842067)
- 1x GHM007 Instrument height meter (667718)
- 1x GHT196 Distance holder for height meter (722045)
- 1x RTC Rain Cover (636767)
- 1x Leica RTC300/500/700 Quick Guide

# Accessories for RTC300/RTC500/RTC700

## 5 Power Supply

### 5.1 Internal Battery



|        |               |                                                  |
|--------|---------------|--------------------------------------------------|
| 973449 | <b>GEB461</b> | Lithium-Ion battery, 10.8V, 6.7Ah, rechargeable. |
|--------|---------------|--------------------------------------------------|

### 5.2 Battery Charger



|        |               |                                                                                                                |
|--------|---------------|----------------------------------------------------------------------------------------------------------------|
| 799185 | <b>GKL311</b> | Single-bay charger Prof 3000.<br>Charger for one Li-Ion battery including AC/DC adapter and car adapter cable. |
| 799187 | <b>GKL341</b> | Multi-bay charger Prof 5000.<br>Charges up to 4 batteries, including power cable.                              |

### 5.3 External power



|        |               |                                       |
|--------|---------------|---------------------------------------|
| 864640 | <b>GEV282</b> | AC power supply. For indoor use only. |
|--------|---------------|---------------------------------------|

## 6 Tripods



|        |                 |                                                                             |
|--------|-----------------|-----------------------------------------------------------------------------|
| 842066 | <b>GST80</b>    | Lightweight Tripod for RTC Laser Scanner.                                   |
| 667301 | <b>GST120-9</b> | Heavy duty tripod, self-closing, with side clamp screws and carrying strap. |
| 332200 | <b>GST4</b>     | Tripod-star, for setting up tripods on hard and slippery surfaces.          |

## 7 Tribrachs



|         |               |                                            |
|---------|---------------|--------------------------------------------|
| 777970  | <b>GDF323</b> | Tribrach, without optical plummet, black.  |
| 1042177 | <b>GDF324</b> | Tribrach PRO, with optical plummet, black. |

## 8 Adapter



|         |               |                                                                                  |
|---------|---------------|----------------------------------------------------------------------------------|
| 842067  | <b>GAD120</b> | Tribrach Adapter for RTC Laser Scanner.                                          |
| 1034013 | <b>GAD132</b> | Adapter for flexible mounting of the RTC300/500/700.                             |
| 1034014 | <b>GAD133</b> | Adapter to mount the RTC300/500/700 on the topographic tripod with a 5/8" screw. |

## 9 Instrument height meter



|        |               |                             |
|--------|---------------|-----------------------------|
| 667718 | <b>GHM007</b> | Instrument height meter.    |
| 722045 | <b>GHT196</b> | Distance holder for GHM007. |

## 10 Targets

### 10.1 Targets



|         |              |                                                                                                                                                                                                                                                    |
|---------|--------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 822694  | <b>GZT21</b> | 4.5" circular black/white tilt & turn target for Leica RTC Series. Leica standard stub fitting to mount on e.g. GLS12 pole. Centre height at Leica standard reflector height.                                                                      |
| 6009743 |              | Target package, consisting of: <ul style="list-style-type: none"><li>• 4x GZT21 Scanning target (822694)</li><li>• 4x GAD50 Stub-to-Screw adapter (823044)</li><li>• 4x Flat magnet mount (670229)</li><li>• 1x GVP703 Soft bag (790314)</li></ul> |

### 10.2 Target Accessories



|        |               |                                                                                                    |
|--------|---------------|----------------------------------------------------------------------------------------------------|
| 670223 |               | Target tripod.                                                                                     |
| 670224 |               | Target tripod bag.                                                                                 |
| 790314 | <b>GVP703</b> | Soft bag, for 4.5" circular black/white tilt & turn targets.                                       |
| 667319 |               | Dual Strut Support. With 2 telescopic legs, for rapid set-up. Suitable for poles of all diameters. |

### 10.3 Target Pole



|        |  |                                                                                                                                                                                                      |
|--------|--|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 385500 |  | Reflector pole with stub. Quick release clamp for easy and rapid height adjustment. Graduated in cm and ft, minimum length 1.24 m (4.07 ft), extendible to 2.15 m (7.05 ft), weight 940 g (2.07 lb). |
|--------|--|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

### 10.4 Magnetic Mount for Targets

|        |              |                                                                                                    |
|--------|--------------|----------------------------------------------------------------------------------------------------|
| 670228 |              | V-block magnetic mount for targets with 5/8" x 11 threaded post, for mounting on steel pipes.      |
| 670229 |              | Flat magnetic mount for targets with 5/8" x 11 threaded post, for mounting on flat steel surfaces. |
| 823044 | <b>GAD50</b> | Adapter for mounting reflectors and target plates with stub fitting on 5/8" carriers.              |

### 10.5 Reflector Carriers



|        |               |                                |
|--------|---------------|--------------------------------|
| 667313 | <b>GRT144</b> | Carrier with stub, pale green. |
|--------|---------------|--------------------------------|

## 11 Transport Options



|         |               |                                         |
|---------|---------------|-----------------------------------------|
| 1015142 | <b>GVP781</b> | Backpack for RTC300/500/700.            |
| 1016669 | <b>GVP782</b> | Hard-shell backpack for RTC300/500/700. |
| 1001248 | <b>GVP780</b> | Transport Container for RTC300/500/700. |

## 12 Software



|         |                                                     |
|---------|-----------------------------------------------------|
| 979836  | Cyclone REGISTER 360 PLUS Permanent                 |
| 5311711 | Cyclone REGISTER 360 PLUS Option (1yr Subscription) |
| 979 916 | Cyclone REGISTER 360 PLUS 15 day Eval               |
| 979 921 | Cyclone REGISTER 360 PLUS EnterpriseElite           |
| 979 919 | Cyclone REGISTER 360 PLUS TimeLimited               |
| 6018134 | Cyclone REGISTER 360 PLUS CCP 1yr                   |
| 5311715 | Cyclone REGISTER 360 PLUS CCP 1yr Updates           |
| 5311721 | Cyclone REGISTER 360 PLUS CCP 1yr Support           |
| 6018135 | Cyclone REGISTER 360 PLUS CCP 2yr                   |
| 5311716 | Cyclone REGISTER 360 PLUS CCP 2yr Updates           |
| 5311722 | Cyclone REGISTER 360 PLUS CCP 2yr Support           |
| 6018136 | Cyclone REGISTER 360 PLUS CCP 3yr                   |
| 5311717 | Cyclone REGISTER 360 PLUS CCP 3yr Updates           |
| 5311723 | Cyclone REGISTER 360 PLUS CCP 3yr Support           |
| 5005590 | Cyclone REGISTER 360 PLUS CCP Reactivation          |



 The Cyclone FIELD 360 app for iOS is available for download at Apple App Store and for Android on Google Play. The app is free of charge, but an active Cyclone REGISTER 360 PLUS licence or Cyclone FIELD 360 / Cyclone FIELD 360 Pro licence is needed for activation. Contact your Leica Geosystems sales representative for recommended technical specifications.

|         |                       |
|---------|-----------------------|
| 5313556 | Cyclone FIELD 360     |
| 5313557 | Cyclone FIELD 360 Pro |

## 13 Hexagon GeoCloud



|         |                                         |
|---------|-----------------------------------------|
| 5312305 | Hexagon GeoCloud 1 TB Subscription 1yr  |
| 5312636 | Hexagon GeoCloud 2 TB Subscription 1yr  |
| 5312306 | Hexagon GeoCloud 3 TB Subscription 1yr  |
| 5313489 | Hexagon GeoCloud 4 TB Subscription 1yr  |
| 5312606 | Hexagon GeoCloud 5 TB Subscription 1yr  |
| 5313463 | Hexagon GeoCloud 6 TB Subscription 1yr  |
| 5313464 | Hexagon GeoCloud 7 TB Subscription 1yr  |
| 5313485 | Hexagon GeoCloud 8 TB Subscription 1yr  |
| 5313486 | Hexagon GeoCloud 9 TB Subscription 1yr  |
| 5312607 | Hexagon GeoCloud 10 TB Subscription 1yr |
| 5313487 | Hexagon GeoCloud 15 TB Subscription 1yr |
| 5313488 | Hexagon GeoCloud 20 TB Subscription 1yr |
| 5312608 | Hexagon GeoCloud 25 TB Subscription 1yr |
| 5313516 | Hexagon GeoCloud 30 TB Subscription 1yr |
| 5313706 | Hexagon GeoCloud 35 TB Subscription 1yr |
| 5313450 | Hexagon GeoCloud 50 TB Subscription 1yr |
| 5313576 | Hexagon GeoCloud 60 TB Subscription 1yr |

# Suggested Equipment Setups

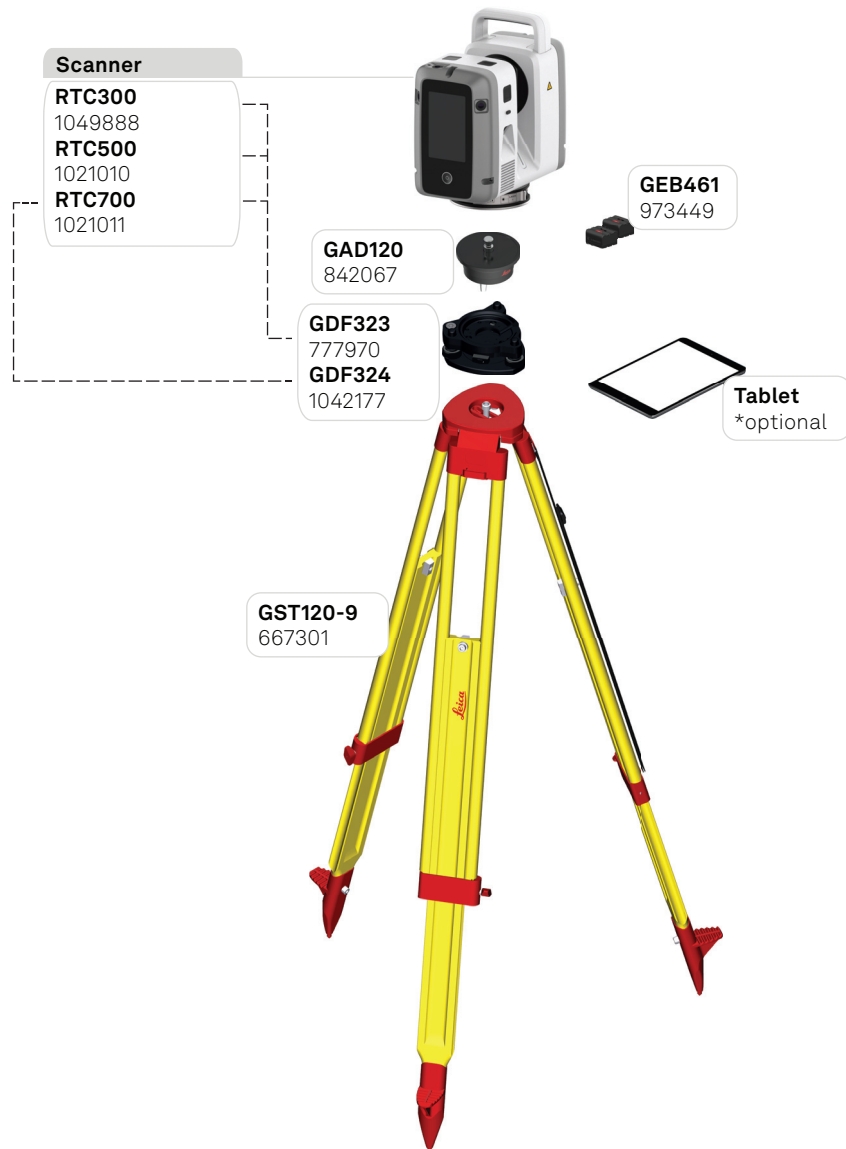
## 14 Configuration for remote control using a tablet (on lightweight tripod)

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## 15 Configuration for remote control using a tablet (on heavy duty tripod and tribrach)

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# Customer Care Packages

## 16 Customer Care Packages (CCP)

The RTC300, RTC500, RTC700 Standard and RTC700 Surveyor packages are not supplied with a Customer Care Package (CCP). Customer Care Packages with varying contract durations are available but must be ordered with the initial purchase of an instrument.



|         |                                    |
|---------|------------------------------------|
| 6020107 | 1 yr TLS RTC300/500/700 CCP Basic. |
| 6020108 | 2 yr TLS RTC300/500/700 CCP Basic. |
| 6020109 | 3 yr TLS RTC300/500/700 CCP Basic. |
| 6020110 | 5 yr TLS RTC300/500/700 CCP Basic. |



|         |                                   |
|---------|-----------------------------------|
| 6020141 | 1 yr TLS RTC300/500/700 CCP Blue. |
| 6020142 | 2 yr TLS RTC300/500/700 CCP Blue. |
| 6020143 | 3 yr TLS RTC300/500/700 CCP Blue. |
| 6020144 | 5 yr TLS RTC300/500/700 CCP Blue. |



|         |                                          |
|---------|------------------------------------------|
| 6020145 | 2 yr TLS RTC700/500/300 CCP Bronze.      |
| 6020146 | 3 yr TLS RTC700/500/300 CCP Bronze.      |
| 6020147 | 5 yr TLS RTC700/500/300 CCP Bronze.      |
| 6020148 | 1 yr Ext. TLS RTC700/500/300 CCP Bronze. |



|         |                                                   |
|---------|---------------------------------------------------|
| 6020149 | 1 <sup>st</sup> yr TLS RTC300/500/700 CCP Silver. |
| 6020150 | 2 yr TLS RTC300/500/700 CCP Silver.               |
| 6020151 | 3 yr TLS RTC300/500/700 CCP Silver.               |
| 6020152 | 5 yr TLS RTC300/500/700 CCP Silver.               |
| 6020153 | 1 yr Ext. TLS RTC300/500/700 CCP Silver.          |



|         |                                                 |
|---------|-------------------------------------------------|
| 6020154 | 1 <sup>st</sup> yr TLS RTC300/500/700 CCP Gold. |
| 6020155 | 2 yr TLS RTC300/500/700 CCP Gold.               |
| 6020156 | 3 yr TLS RTC300/500/700 CCP Gold.               |
| 6020157 | 5 yr TLS RTC300/500/700 CCP Gold.               |
| 6020158 | 1 yr Ext. TLS RTC300/500/700 CCP Gold.          |

|        | Customer Support | Extended Warranty | Hardware Maintenance<br>incl. Calibration | Loaner<br>Instrument |
|--------|------------------|-------------------|-------------------------------------------|----------------------|
| Basic  | ✓                |                   |                                           |                      |
| Blue   | ✓                |                   | ✓                                         |                      |
| Bronze | ✓                | ✓                 |                                           |                      |
| Silver | ✓                | ✓                 | ✓                                         |                      |
| Gold   | ✓                | ✓                 | ✓                                         | ✓                    |

# Trademarks & Technical Data

## 17 Trademarks

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- USB-C® is a registered trademark of USB Implementers Forum
  - LEMO® is a registered trademark of Lemo SA
- All other trademarks are the property of their respective owners.
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## 18 Technical Data

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**Scanner:**

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



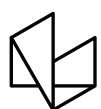




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