

# Leica TS03, TS07, TS10 Equipment List



- when it has to be **right**

**Leica**  
Geosystems

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# Leica Manual Total Station series

## 1 Leica Manual Total Stations

### 1.1 Overview

	TS03	TS07	TS10
<b>Hardware</b>			
Angle measurement	●	●	●
Distance measurement to prism	●	●	●
Distance measurement to any surface (reflectorless)	●	●	●
RS232, USB and SD card interface	●	●	●
AutoHeight (automatic Instrument height)	-	○	●
WLAN, Bluetooth	-	●	●
Full numeric keyboard with 3.5" black&white display	●	-	-
Full numeric keyboard with 3.5" Color & Touch display	-	●	-
Full numeric keyboard with 5" Color & Touch display	-	-	●
Full numeric keyboard with F-keys 5" Color & Touch display	-	-	○
2nd Keyboard	-	○	○
Mobile Data side cover (LTE, GSM)	-	○	○
Electronic Guide Light	-	○	○
Arctic Option	-	○	○
Overview camera	-	-	○
<b>Software</b>			
FlexField	●	●	-
Captivate	-	-	●

- Standard
- Optional
- Not available

### 1.2 Models

	1" (0.3 mgon)	2" (0.6 mgon)	3" (1 mgon)	5" (1.5 mgon)	7" (2 mgon)
<b>TS03</b>					
<b>R500</b>		868 867	868 868	868 869	
<b>TS07</b>					
<b>R400 LaserClass 2</b>		868 834			
<b>R500</b>	868 848	868 849	868 850	868 851	868 852
<b>R500 Artic</b>	868 857	868 858	868 859	868 861	868 862
<b>R1000</b>	868 839	868 840	868 841	868 842	868 843
<b>R1000 EGL</b>	868 829	868 830	868 831	868 832	868 833
<b>TS10</b>					
<b>R500</b>	868 821	868 823	868 824	868 825	
<b>R1000</b>	868 812	868 814	868 815	868 816	
<b>R1000 EGL</b>	868 784	868 786	868 789	868 790	
<b>R1000 EGL Artic</b>	868 794	868 802	868 805	868 807	
<b>R1000 OVC EGL</b>	868 777	868 778	868 779	868 780	

**TS03**


TS03 Total Station with reflectorless R500 EDM, RS232 interface, USB stick/SD card interface, 2GB Internal Flash Memory, 1GB SDRAM, laser plummet, full numeric keyboard with 3.5" QVGA black & white display, Quick guide and container with protective cover, lens hood and cleaning cloth.


**TS07**

TS07 Total Station with reflectorless R500/R1000 EDM, AutoHeight module for automatic instrument height measurement (optional), Electronic Guide Light EGL (optional), WLAN, Bluetooth, RS232 interface, USB stick/SD card interface, 2GB Internal Flash Memory, 1GB SDRAM, laser plummet, full numeric keyboard with 3.5" QVGA color touch screen, Quick guide and container with protective cover, lens hood and cleaning cloth.

**TS10**

TS10 Total Station with reflectorless R500/R1000 EDM, AutoHeight module for automatic instrument height measurement, 5 MP overview camera (optional) Electronic Guide Light EGL (optional), WLAN, Bluetooth, RS232 interface, USB stick/SD card interface, 2GB Internal Flash Memory, 1GB SDRAM, laser plummet, full numeric keyboard with 5" WVGA color touch screen, Leica Captivate field software package, Quick guide and container with protective cover, lens hood and cleaning cloth.

 TS07 R500 and TS10 R1000 EGL Arctic Total Stations modified and tested at -35°C. Includes operating temperature verification statement (-35°C). Can be ordered only with new instrument!

 All TS03, TS07 and TS10 models are delivered with one keyboard, Quick Guide, documentation USB card (876 309) and container GVP728 (817 061).

# TS03, TS07, TS10 Options, Software & Specific Accessories

## 2 Additional Options

### 2.1 Keyboard Options TS07



868 884	<b>GTS42</b>	2nd face full numeric keyboard with 3.5" QVGA colour touch screen.
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### 2.2 Keyboard Options TS10



868 880	<b>GTS40</b>	2nd face full numeric keyboard with 5" WVGA colour touch screen, for TS10 instruments.
868 883	<b>GTS41</b>	Full numeric keyboard with Function keys, 5" WVGA colour touch screen, for TS10 instruments, for face 1 and 2.



### 2.3 Mobile Data (GSM/LTE) Option TS07 & TS10



868 888	<b>GSD08</b>	Mobile Data Device side cover (LTE/GSM) Europe and China for TS07/TS10 instruments.
868 889	<b>GSD09</b>	Mobile Data Device side cover (LTE/GSM) US and Canada for TS07/TS10 instruments.
868 890	<b>GSD10</b>	Mobile Data Device side cover (LTE/GSM) Japan for TS07/TS10 instruments.

### 2.4 AutoHeight Option TS07


868 892	<b>GHM009</b>	AutoHeight measurement module to setup instrument over point (laser-plummet) and measure instrument height, for TS07 instruments.
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-  AutoHeight measurement module is standard for all TS10 instruments.
-  Can be ordered only with new instrument!

### 2.5 Camera Calibration TS10



793 861		Overview camera calibration workflow. Article ensures the predelivery logistics for the calibration of the overview camera of the TS10.
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-  3rd party fees for instrument calibration and licensing of software are not included.

### 2.6 Shiftable Tribrach TS03 & TS07 & TS10

865 474	<b>GUS321</b>	Lower parts shiftable tribrach for TS03, TS07, TS10 instruments.
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## 2.7 Calibration and Producer Certificates TS03 & TS07 & TS10



812 535	Calibration Certificate "Gold", Angle
812 536	Calibration Certificate "Gold", A + Dist IR
812 539	Calibration Certificate "Gold", A + Dist, IR&RL
812 542	Calibration Certificate "Silver", Angle
812 543	Calibration Certificate "Silver", A + Dist, IR
812 544	Calibration Certificate "Silver", A + Dist, IR&R
	Calibration Certificate "Blue" (812 541) is always included in initial order (myWorld download).
	For Service Calibration Certificates see Standard Service Products (SSPs) document.

## 3 Programs & Software Options


### 3.1 FlexField Applications TS03 & TS07

		TS03	TS07
	FlexField Software	●	●
	Station Setup includes		
	• Resection (Standard, Local Resection, Helmert Resection)	●	●
	• Orientation with Angle	●	●
	• Orientation with Coordinates	●	●
	• Height Transfer	●	●
	Survey & Coding	●	●
	Stake Out	●	●
	Reference Line/Grid/Segment	●	●
	Hidden Point	●	●
	Tie Distance	●	●
	Area & DTM Volume	●	●
	Remote Height	●	●
	Offset (Standard & Cylindrical)	●	●
	Backsight Check	●	●
868 908	<b>GSW1683</b> FlexField COGO	○	●
868 909	<b>GSW1684</b> FlexField Reference Plane	○	●
868 910	<b>GSW1685</b> FlexField Reference Arc	○	●
868 911	<b>GSW1686</b> FlexField Road2D	○	●
868 912	<b>GSW1687</b> FlexField Mining	○	○
868 913	<b>GSW1688</b> FlexField Road 3D	○	○
868 914	<b>GSW1689</b> FlexField Traverse	○	○
868 915	<b>GSW1690</b> FlexField Tunnel	○	○
868 919	<b>GSW1694</b> Virtual GeoCom	-	○

● Standard  
 ○ Optional  
 - Not available



### 3.2 Captivate Applications for TS10

 The following optional apps require a valid license key.

		TS10
	<b>Measure includes:</b> <ul style="list-style-type: none"> <li>• Measure</li> <li>• Code points</li> <li>• Automatically measure points</li> <li>• Remote Heights</li> <li>• Target Offset calculations</li> </ul>	●
	<b>Setup includes:</b> <ul style="list-style-type: none"> <li>• Get station coordinates, from Job or enter manually</li> <li>• Orientation by known Azimuth</li> <li>• Orientation by known Backsight</li> <li>• Orientation &amp; Height transfer to up to 10 target points</li> <li>• Resection up to 10 target points</li> <li>• Resection Helmert</li> <li>• Orientation to Line</li> <li>• Orientate to Object</li> </ul>	●
	<b>Stake points includes:</b> <ul style="list-style-type: none"> <li>• Navigate to point using various methods: from and behind instrument, point, base line, arrow, North</li> <li>• Quality control - checking of coordinate differences before storing</li> <li>• Automatically select next closest point</li> <li>• Graphical selection of point from map</li> <li>• Edit heights and offset heights of points</li> <li>• Acoustic beep getting faster when getting closer to point</li> </ul>	●
	<b>COGO includes:</b> <ul style="list-style-type: none"> <li>• Inverse</li> <li>• Traverse</li> <li>• Intersections</li> <li>• Angle calculations</li> <li>• Line &amp; arc calculations</li> <li>• Bearing &amp; distance calculations</li> <li>• Shift, Rotate, Scale (manual &amp; matching points)</li> <li>• Triangle calculations</li> </ul>	●
	<b>Determine coordinate system:</b> <ul style="list-style-type: none"> <li>• 1 step, 2 step, 3D Transformation</li> <li>• All common projections</li> </ul>	●
	<b>Alignment Editor:</b> <ul style="list-style-type: none"> <li>• Horizontal alignments</li> <li>• Vertical alignments</li> <li>• Cross sections</li> <li>• Chainage equations</li> </ul>	●
	<b>Control Data:</b> <ul style="list-style-type: none"> <li>• Create points and lines</li> </ul>	●
	<b>Data import:</b> <ul style="list-style-type: none"> <li>• ASCII, XML, DXF, DTM, alignments</li> </ul>	●
	<b>Data export:</b> <ul style="list-style-type: none"> <li>• ASCII, Custom, DXF, XML, Style Sheets, FBK, RW5, RAW and local formats</li> </ul>	●
834 221	Athletics	○
827 650	Area Division	○
827 651	Stake DTM	●
827 648	Measure and Stake to Line	●
827 649	Measure to Plane / Grid	○
827 653	Check and Stake Road	○
827 654	Check and Stake Tunnel	○
827 655	Check and Stake Rail	○
827 658	Sets of Angles	●
827 652	Volume Calculation	○
827 656	Hidden Point	●
827 657	Traverse	●
827 659	QuickVolume	○
834 226	Set Orientation	○
834 229	Auto Setup	○

834 230	Remote Monitoring	<input type="radio"/>
839 678	Inspect surfaces	<input type="radio"/>
826 669	Tunnel Profile Generator	<input type="radio"/>
834 214	Pre Geo Exporter	<input type="radio"/>
834 216	NEN converter	<input type="radio"/>
834 217	VIP Coding	<input type="radio"/>
834 218	Offset+	<input type="radio"/>
834 219	Seismic Data Card	<input type="radio"/>
834 220	Remote Stakeout	<input type="radio"/>
834 223	Forward Intersection	<input type="radio"/>
834 225	Swisscom exporter	<input type="radio"/>
834 227	Quick Setup	<input type="radio"/>
834 228	NEN TS/MS	<input type="radio"/>
839 678	Inspect Surfaces	<input type="radio"/>
849 507	Anti Theft Alarm	<input type="radio"/>
847 944	Inspect Road	<input type="radio"/>
847 945	Inspect Tunnel	<input type="radio"/>
850 622	ESRI Shapefile Exporter	<input type="radio"/>
865 657	Compaction Control	<input type="radio"/>

- Standard
- Optional
- Not available


### 3.3 Captivate Licences for TS10 (optional)

		TS10
868 920	Virtual GeoCom licence	<input type="radio"/>
827 661	Leica Active Assist	<input type="radio"/>
827 662	Leica Exchange	<input type="radio"/>

- Standard
- Optional
- Not available

# Accessories for TS03, TS07 & TS10

## 4 Accessory Sets

6014572	<b>FlexLine Standard accessory Set consisting of:</b>
	<ul style="list-style-type: none"> <li>• GDF311, Professional 3000 tribrach,</li> <li>• GEB331 Li-Ion battery (3 cells),</li> <li>• GKL311, battery charger,</li> <li>• MS1, Industrial grade USB memory stick 1GB,</li> <li>• GMP111, Mini Prism with holder, circular bubble,</li> <li>• GLS115 four section pole and point.</li> </ul>
6014573	<b>FlexLine Advanced accessory Set consisting of:</b>
	<ul style="list-style-type: none"> <li>• GDF321, Professional 5000 Tribrach, high accuracy,</li> <li>• GEB361 Li-Ion battery (6 cells),</li> <li>• GKL311, battery charger,</li> <li>• MS1, Industrial grade USB memory stick 1GB,</li> <li>• GMP111, Mini Prism with holder, circular bubble,</li> <li>• GLS115 four section pole and point.</li> </ul>
 The FlexLine accessory Sets can only be ordered in combination with an instrument.	

## 5 Power Supply


### 5.1 Internal Batteries



799 191	<b>GEB361</b>	6-cell Lithium-Ion battery, 11.1V/5.6Ah, rechargeable for TS03/TS07/TS10.
799 190	<b>GEB331</b>	3-cell Lithium-Ion battery, 11.1V/2.8Ah, rechargeable for TS03/TS07/TS10, GS18 and LS10/LS15.

### 5.2 External Batteries



818 916	<b>GEB371</b>	External universal battery, Li-Ion, 13 V, 250 Wh, rechargeable.
807 696	<b>GEV270</b>	Power supply unit for TPS/GNSS/DNA. For indoor use only. Input 100-240VAC to output 13.2VDC, with connection for power cables.  Requires a GEV52 or GEV187 cable.

### 5.3 Battery Chargers



799 185	<b>GKL311</b>	Single-bay Charger Professional 3000. Charger for one Li-Ion battery (GEB211, GEB212, GEB221, GEB222, GEB241, GEB242, GEB331, and GEB361), including AC/DC adaptor and cigarette lighter cable.
799 187	<b>GKL341</b>	Multi-bay Charger Professional 5000. Charges up to 4 batteries (GEB211, GEB212, GEB221, GEB222, GEB241, GEB242, GEB331, and GEB361), including power cable.
734 389	<b>GDC221</b>	Car adapter for the GKL341 charger. Allows the use of the GKL341 with a cigarette lighter; 12V/24V DC/DC converter. Can also be used to power CS15 field controller directly from a cigarette lighter.
774 437	<b>GEV242</b>	Charger for GEB371 external battery.

## 6 Data Storage and Data Transfer

### 6.1 Memory Devices



767 856	<b>MSD1000</b>	SD memory card 1GB for FlexLine, Leica Viva and Leica Nova instruments and CS20/CS10/CS15 field controller, industrial grade.
789 139	<b>MSD08</b>	SD memory card 8GB for FlexLine, Leica Viva and Leica Nova instruments and CS20/CS10/CS15 field controller, industrial grade.
765 199	<b>MS1</b>	USB memory stick, 1GB, for FlexLine, Leica Viva and Leica Nova instruments and CS20/CS10/CS15 field controller, industrial grade.

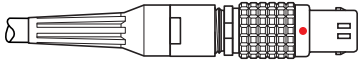







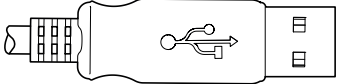

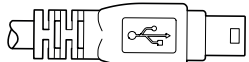

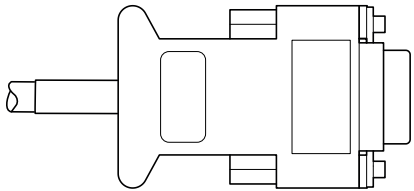
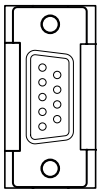
## 6.2 Card Reader



767 895	<b>MCR7</b>	USB card reader for SD/CF cards.
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## 7 Connectivity

### 7.1 Connector Types

Name	Used on		
Lemo0 5-pin (Male)	FlexLine and Leica Viva instruments		
Lemo1 5-pin (Male)	Battery / External power		
Lemo1 8-pin (Male)	CS20 and CS10/15 field controllers / Leica Nova TPS		
Lemo1 8-pin (Male)	External TS radios		
USB A	PC / Laptop		
USB Mini	FlexLine and Leica Viva / Nova instruments		
9-pin RS232 serial	PC / Laptop		

### 7.2 Cables



409 678	<b>GEV52</b>	Battery cable, connects FlexLine / Leica Viva Total Stations Lemo0 5-pin to external battery connector Lemo 1 5-pin.
439 038	<b>GEV71</b>	Car battery cable, connects 12V car battery connector to Lemo1 5-pin female.
563 625	<b>GEV102</b>	Serial data cable for communication to PC, connects Lemo0 5-pin (instrument) to PC (9-pin RS232 serial), 2m.
734 698	<b>GEV187</b>	Serial data Y-cable, connects Lemo0 5-pin connector to PC (9-pin RS232 serial) and external battery (Lemo1 5pin), 2m.
756 367	<b>GEV217</b>	Serial data cable for communication between FlexLine / Leica Viva Total Stations and CS10/CS15/CS20, connects Lemo0 5-pin to Lemo1 8-pin, 1.8m.
764 700	<b>GEV223</b>	Data transfer cable connecting TS to PC, USB Mini connector to USB A.
806 093	<b>GEV267</b>	Serial data transfer cable, converter cable USB A to Lemo0 5-pin, connects PC to FlexLine and Leica Viva Total Stations, PC driver included on CD.
707 525	<b>GK1</b>	Lemo Canon converter 30°, for PC (Lemo 0 5-pin to RS232) to be used with GEV186 cable.
734 697	<b>GEV186</b>	Serial data Y-cable for TS setup, Lemo1 5-pin (battery) to Lemo0 5-pin (instrument) and Lemo1 8-pin (external TS radio).

## 8 Optical Accessories

### 8.1 Eyepiece



377 802	<b>FOK53</b>	Magnification eyepiece, additional eyepiece for increasing telescope magnification to 42x. ☞ Modification in a workshop necessary.
308 838	<b>FOK53</b>	Magnification eyepiece, additional eyepiece for increasing telescope magnification to 42x. ☞ Modification ex factory. Can only be ordered with a new instrument.
793 979	<b>GFZ3</b>	Diagonal eyepiece for telescope with bayonet connection.
376 236	<b>GOK6</b>	Eyepiece for steep sights, with joint allowing variable sighting angle.

### 8.2 Autocollimation Set



199 899	<b>GOA2</b>	Autocollimation eyepiece.
394 787	<b>GEB62</b>	Plug-in lamp, with cable for autocollimation eyepiece.
394 792	<b>GEB63</b>	Battery box for autocollimation eyepiece and eyepiece lamp.

### 8.3 Objective



743 504	<b>GVO13</b>	Objective solar filter for TS instruments.
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## 9 Instrument Height Meter



667 718	<b>GHM007</b>	Instrument height meter.
722 045	<b>GHT196</b>	Distance holder for height meter.
60100179		Height Meter set including GHM007 Instrument height meter and GHT196 Distance holder for height meter.

## 10 Tripbrachs



777 508	<b>GDF321</b>	Tribrachs Series 5000, without optical plummet.
777 509	<b>GDF322</b>	Tribrachs Series 5000, with optical plummet.
842 061	<b>GDF311</b>	Tribrachs Series 3000, without optical plummet.
842 062	<b>GDF312</b>	Tribrachs Series 3000, with optical plummet.
842 063	<b>GDF301</b>	Tribrachs Series 1000, without optical plummet.
842 064	<b>GDF302</b>	Tribrachs Series 1000, with optical plummet.

## 11 Tripods



296 632	<b>GST20</b>	Heavy duty tripod, with side clamp screws, carrying strap and plumb bob.
394 752	<b>GST20-9</b>	Heavy duty tripod, with side clamp screws and carrying strap.
667 301	<b>GST120-9</b>	Heavy duty tripod, self-closing, with side clamp screws and carrying strap.
726 831	<b>GST101</b>	Heavy duty tripod, with side clamp screws and carrying strap for TS instruments with 5" accuracy or lower.
332 200	<b>GST4</b>	Tripod-star, for setting up tripods on hard and slippery surfaces.

## 12 Reflector Poles


### 12.1 Standard Poles



754 391	<b>GLS12</b>	Reflector pole, telescopic to 2 m with circular bubble, cm graduations.
754 389	<b>GLS12F</b>	Reflector pole, telescopic to 2 m with circular bubble, ft graduations.
766 359	<b>GLS31</b>	Reflector carbon-fibre pole with circular bubble and twist lock. Snap-locks at 2.00 m, 1.80 m and 1.50 m for GPS (GNSS) antennas with GAD31 adapter or GRZ122 reflector (SmartPole setup).
385 500	<b>GLS11</b>	Reflector pole, telescopic, with circular bubble, cm and ft graduation, extends to 2.15m.
667 309	<b>GLS111</b>	Reflector pole, with bull's-eye bubble, cm/ft graduation, extends to 2.60 m, with red/white 0.20m graduations.
667 310	<b>GLS112</b>	Reflector pole, with bull's-eye bubble, cm/ft graduation, extends to 3.65 m, with red/white 0.20 m graduations.
555 720	<b>GSR2</b>	Dual-strut support for GLS11 plumbing pole.
667 319	<b>GSR111</b>	Dual-strut support for all GLS.
403 428	<b>GZW12</b>	Extension 1m long, for reflector pole GLS11 and carriers.

### 12.2 Hidden Point Pole



742 329	<b>GMP112</b>	Hidden Point pole extension for GMP111 (mini prism pole set). Includes mini prism with holder and 30 cm adapter pole.  Additional GMP111 Mini prim (641 615) required for complete Hidden Point pole set with two prisms.
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### 12.3 Mini Pole



403 427	<b>GLS14</b>	Mini reflector pole, (prism/target 20cm over point), with circular bubble.
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## 13 Reflector Carriers



667 313	<b>GRT144</b>	Carrier with stub.
667 316	<b>SNLL121</b>	Precision carrier, with longitudinal bubble and zenith-nadir laser plummet.
428 340	<b>GZR3</b>	Precision carrier, with longitudinal bubble and optical plummet.
725 566	<b>GZR103</b>	Carrier, with longitudinal bubble and optical plummet, for reflectors and GPS antenna.
667 217	<b>GAD31</b>	Screw-to-stub adapter for fitting GPS antenna on carriers with stub and poles with stub.

## 14 Reflectors

### 14.1 Circular Reflectors



362 830	<b>GPR1</b>	Circular prism, in black housing.
641 618	<b>GPR111</b>	Circular prism, with holder and target plate.
753 492	<b>GPR113</b>	Circular prism, with red holder.
641 617	<b>GPR121</b>	Circular prism, with metal holder and target plate.
362 820	<b>GPH1</b>	Single-prism holder.
400 080	<b>GPH3</b>	Three-prism holder.
362 823	<b>GZT4</b>	Target plate, for GPH1.

## 14.2 360° Reflectors



754 384	<b>GRZ122</b>	360° reflector with 5/8" thread adapter for mounting of GNSS antenna.
639 985	<b>GRZ4</b>	360° reflector.
644 327	<b>GRZ101</b>	360° mini prism with 1/4" thread fitting. Not supported by PowerSearch.
756 637	<b>MPR122</b>	360° reflector with 5/8" thread adapter and 5/8" screw nut.
742 006	<b>GAD103</b>	Adapter for attaching GRZ101 to all poles with Leica Geosystems stub.

## 14.3 Precision Reflectors



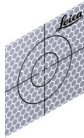
555 631	<b>GPH1P</b>	Single-prism precision reflector.
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## 14.4 Mini Reflectors



641 662	<b>GMP101</b>	Mini prism, incl. bubble, target plate and spike, in bag, also suitable for GLS11/GLS12 and GRT144 (same height as GPH1, additive constant +17.5mm).
641 762	<b>GMP104</b>	Mini prism, with L-bar, for fixed installations.
641 615	<b>GMP111</b>	Mini prism, incl. bubble, with GLS115 pole set.
642 534	<b>GMP111-0</b>	Mini prism 0-constant, incl. bubble, with GLS115 pole set.
743 503	<b>GAD105</b>	Adapter for GMP111 to all poles with Leica Geosystems stub.

## 14.5 Reflector Tapes

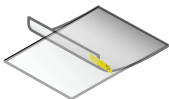


763 532	<b>GZM29</b>	Reflective tape, 20x20mm for short range, pack of 20 pieces.
763 533	<b>GZM30</b>	Reflective tape, 40x40mm for medium range, pack of 20 pieces.
763 534	<b>GZM31</b>	Reflective tape, 60x60mm for long range, pack of 20 pieces.

## 14.6 Pen and Screen Protection Foils



<b>Extra pen</b>		
813 914	<b>GDZ71</b>	Pen with tether clip interface for TS07/10, TS16, MS60, TS60 instruments, CS20 field controller and LS10/LS15 instruments.



<b>Screen Protection Foil set</b>		
813 781	<b>SPF05</b>	5" WVGA screen protection foils for TS10, CS20, TS16, MS60 and TS60 instruments.
799 660	<b>SPF04</b>	3.5" QVGA screen protection foils for TS07, TS09, TS11, TS15, TS50, MS50, TM50 and LS10/LS15 instruments.

## 15 Additional Containers & Accessories for Containers



727 589	<b>GVP102</b>	Soft bag with shoulder strap, for prism station, consist of tribrach, prism carrier or laser plummet and prism.
667 451	<b>GVP609</b>	Container for 2 circular prisms GPR111/121, 2 carriers/laser plummets and 2 tribrachs.
833 516	<b>GVP716</b>	Backpack carrying systems for all large TPS and GNSS containers.
833 517	<b>GVP717</b>	Sidebag for container GVP722/723/725/728/729/730/735.
833 518	<b>GVP718</b>	Basic backstrap for container GVP722/723/725/728/729/730/735.
833 519	<b>GVP719</b>	Shoulderstrap for container GVP722/723/725/728/729/730/735.
817 057	<b>GVP724</b>	Small-sized hard container for 360° prism and controller for TS Robotic Pole setup.



# Care Packages

## 16 Customer Care Packages

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A wide selection of comprehensive Customer Care Packages (CCPs) is available bundling Hardware Maintenance, Software Maintenance, Customer Support and Extended Warranty.

For more information about the CCP offering in your country please contact your local Leica Geosystems organization or distribution partner.

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# Trademarks & Technical Data

## 17 Trademarks

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## 18 Technical Data

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**Electronic Guide Light (EGL):**

The EGL is excluded from the scope of IEC 60825-1 (2014-05): Safety of laser products.  
The EGL is classified as exempt group in accordance with IEC 62471 (2006-07)

**Distance meter (Prism):**

Laser product classified as laser class 1 in accordance with IEC 60825-1 (2014-05): "Safety of laser products"

**Laser plummet:**

Laser product classified as laser class 2 in accordance with IEC 60825-1 (2014-05): "Safety of laser products"

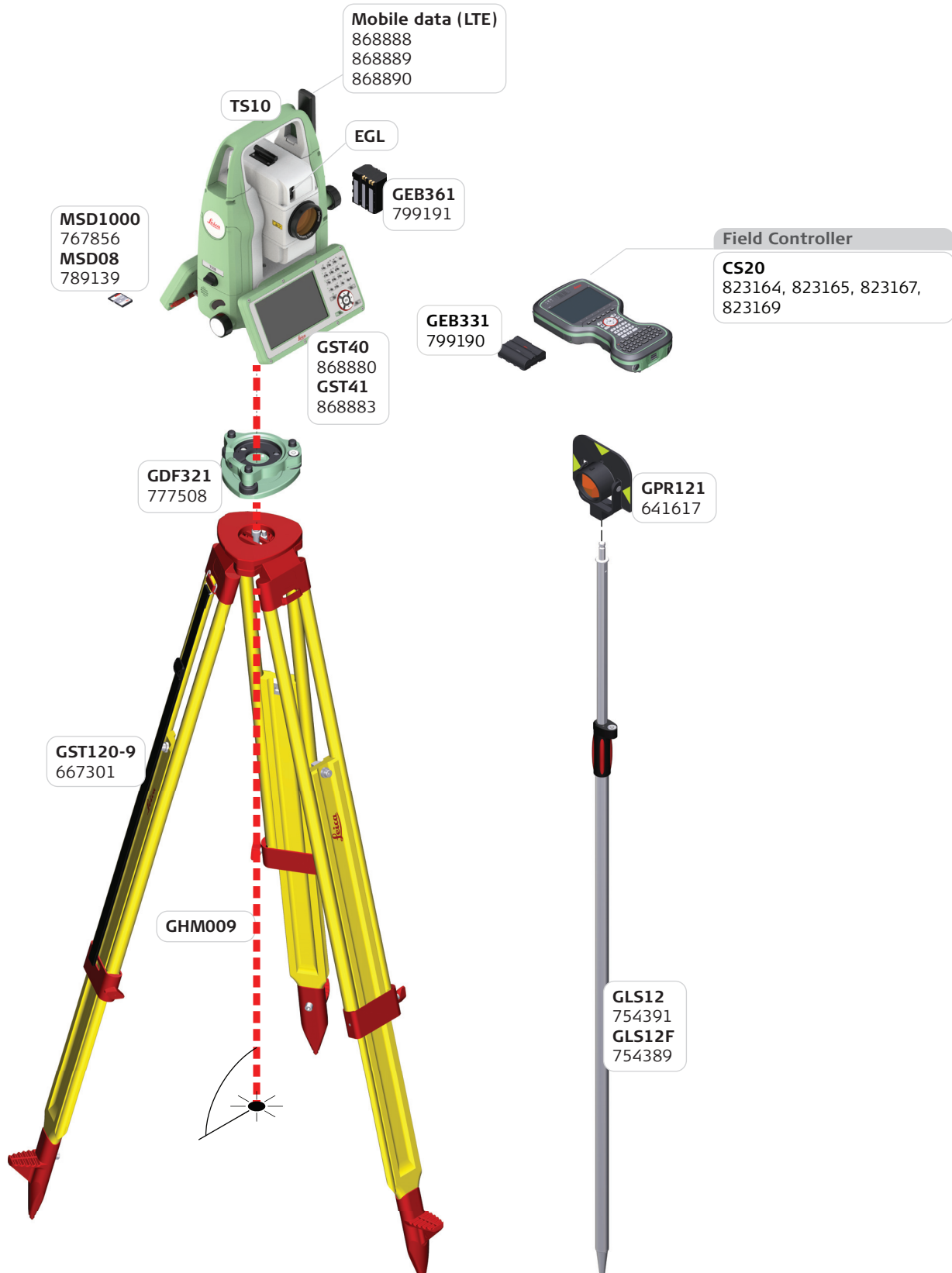
**Distance meter (Non-Prism):**

Laser product classified as laser class 2 in accordance with IEC 60825-1 (2014-05): "Safety of laser products"

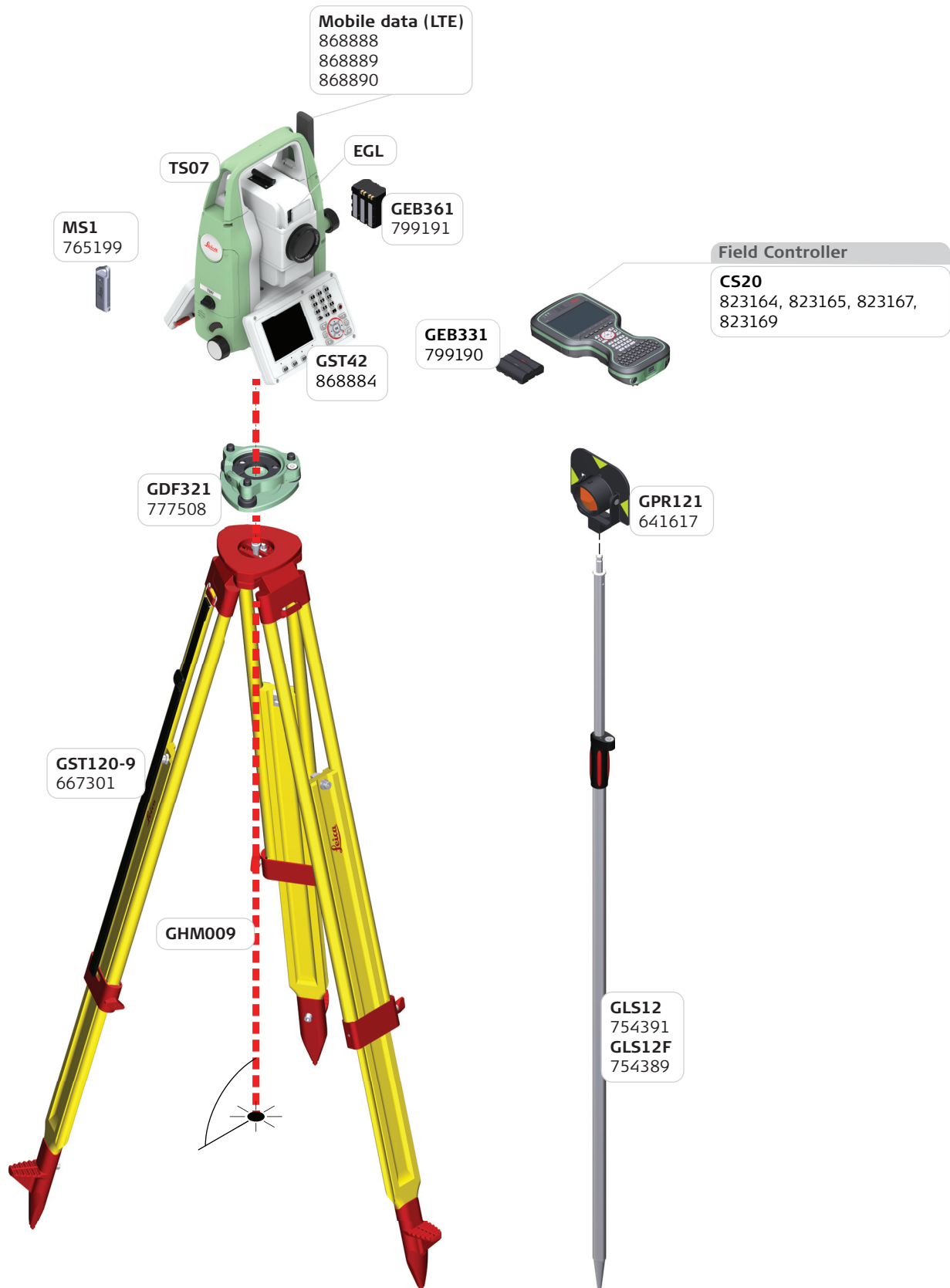


# Suggested Equipment Setups

## 19 Setup with TS10

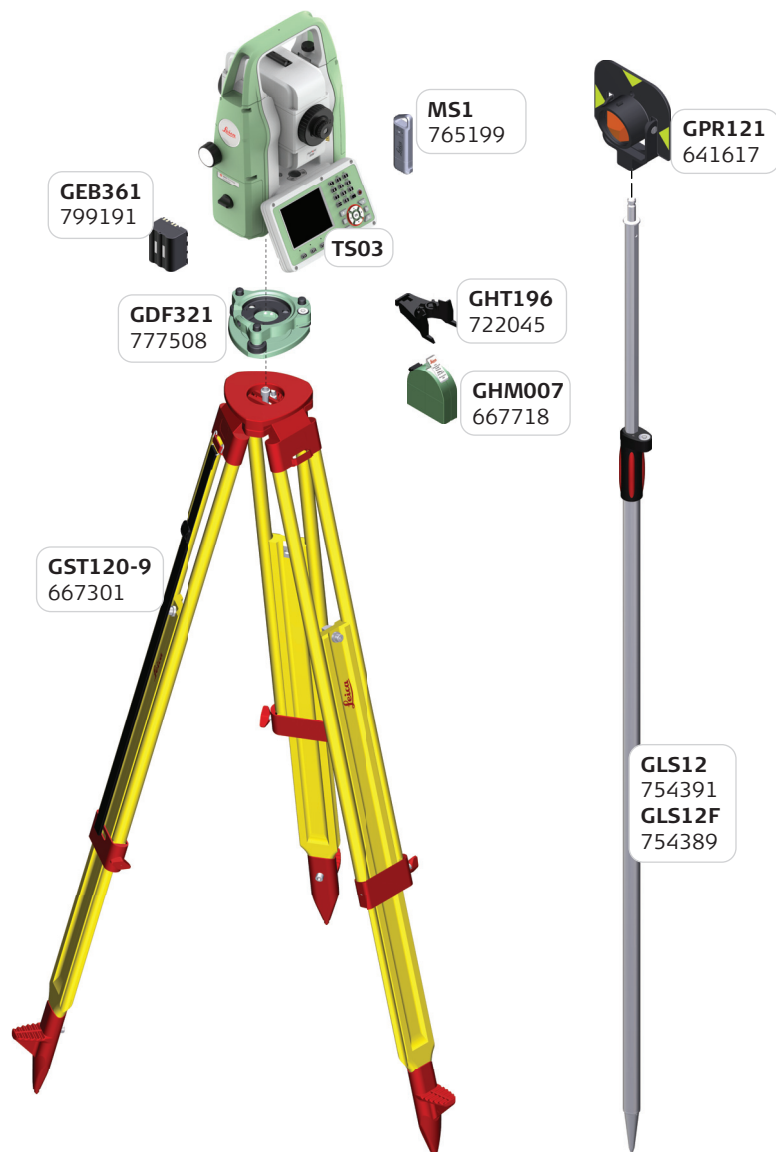


## 20 Setup with TS07



## 21 Setup with TS03

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