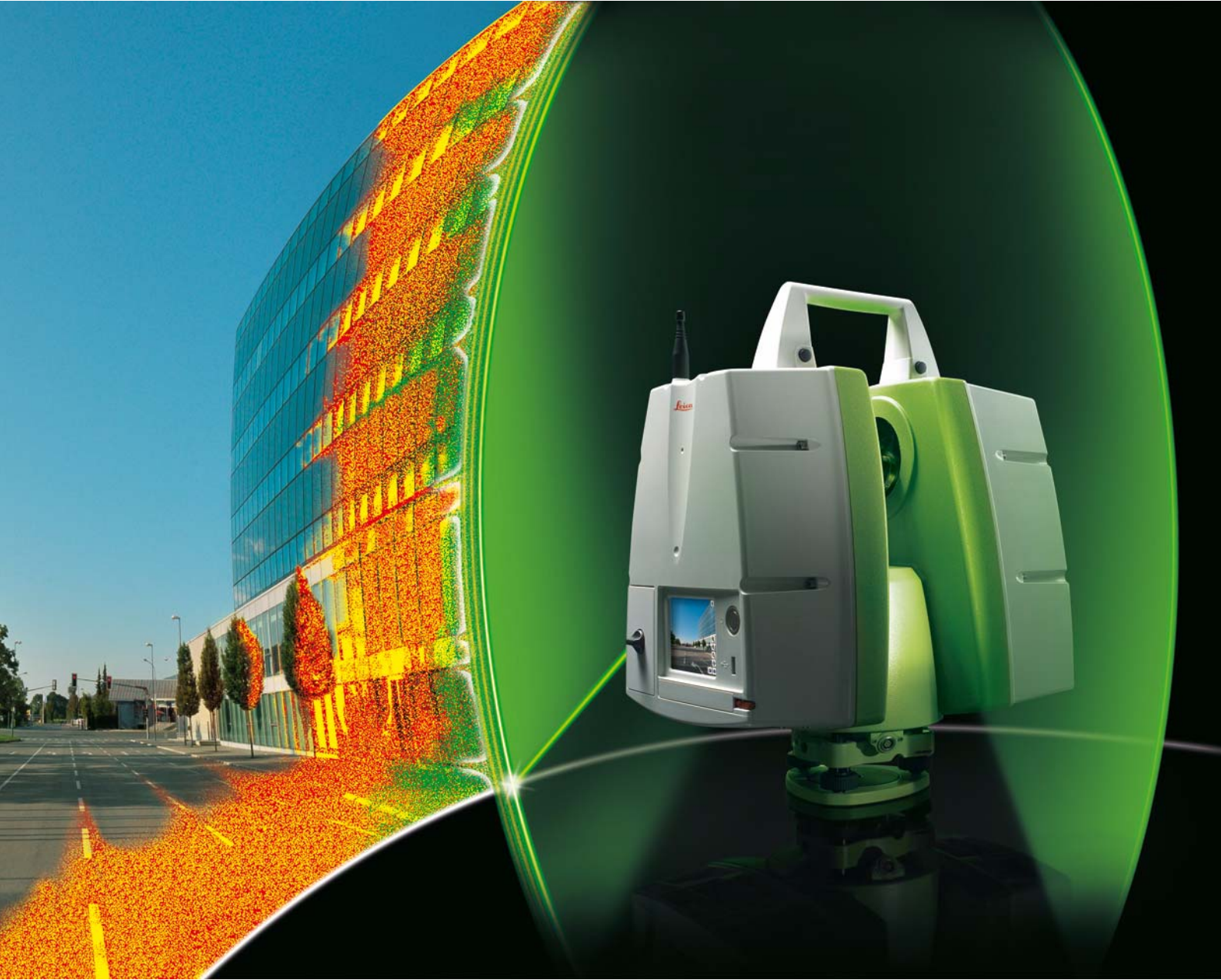# Leica ScanStation C10
Equipment List

- when it has to be **right**

Leica
Geosystems

Table of Contents
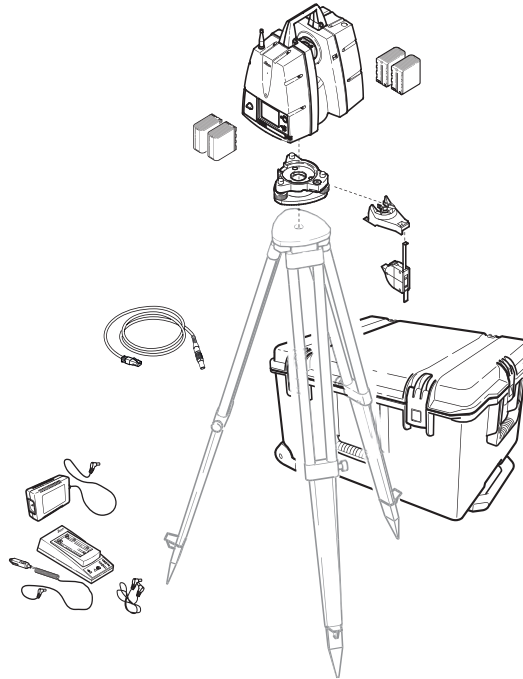
ScanStation C10

1 Scanner Set

6003155	**C10**	Leica ScanStation C10 - 3D laser scanning system consisting of:
		• 1x HDSC10, Leica ScanStation C10 scanhead (767 742)
		• 1x GVP645, ScanStation C10 transport container (769 625)
		• 1x GDF121, Tribrach, pale green, no plummet (667 304)
		• 4x GEB241, Lithium-Ion battery (754 834)
		• 1x GKL212, Basic charger (772 785)
		• 1x AC/DC adapter for basic charger (773 058)
		• 1x Daisy chain cable for basic charger (773 059)
		• 1x Car-Adapter cable for basic charger (738 242)
		• 1x GEV228, ScanStation C10 data cable (766 567)
		• 1x GHM008, Scanner height meter (772 829)
		• 1x GHT196, Distance holder for height meter (722 045)
		• 1x HDS Window cleaning set (670 268)
		• 1x CD-ROM Cyclone (755 609)
		• 1x ScanStation C10 User manual (774 311)
		• 1x Cyclone SCAN license for Scan-Laptop (760 954)
		• 1x CCP Basic for ScanStation C10 (1year) (6003159)

Accessories for ScanStation C10

2 Accessory Set
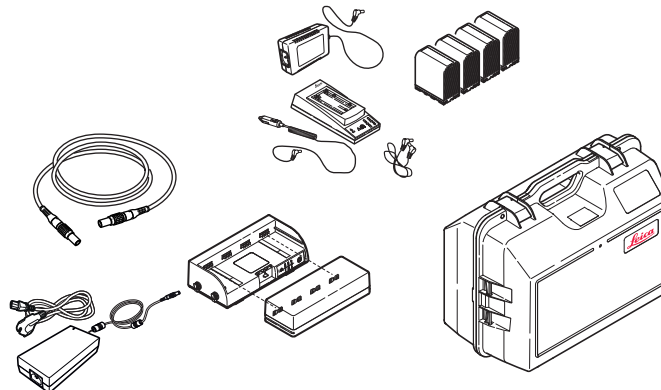
| 6003156	Leica ScanStation C10 accessory set consisting of:
	• 1x GVP652, ScanStation C10 accessory container (769 626)
	• 1x GEB271, External universal battery (766 783)
	• 1x GKL271, Charging station for GEB271 (766 784)
	• 1x GEV225, AC power supply for GKL271 (767 652)
	• 1x GEV97, 1.8m power cable (560 130)
	• 4x GEB241, Lithium-Ion battery (754 834)
	• 1x GKL212, Basic charger (772 785)
	• 1x Car-Adapter cable for basic charger (738 242)
	• 1x Daisy chain cable for basic charger (773 059)
	• 1x AC/DC adapter for basic charger (773 058)

3 Power Supply

3.1 Internal Power Supply
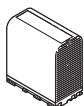
754 834	**GEB241**	Lithium-Ion battery, 14.8V/4.8Ah, rechargeable.
772 785	**GKL212**	Charger BASIC. For Li-Ion batteries, with AC power cable.
773 058		AC/DC adapter for basic charger
773 059		Daisy chain cable for basic charger
738 242		Car-Adapter cable for basic charger.
733 271	**GKL221**	Charger PRO. To be used with up to two charging adapters GDI221 or GDI222, charger cable and net adapter included.
733 323	**GDI221**	Adapter for GKL221 for charging 2 Li-Ion batteries GEB241.

3.2 External Power Supply
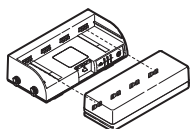
| 766 783	**GEB271**	Lithium-Ion, 14.8V, 16.8Ah. Can only be used together with the GKL271 charging station (766 784)
766 784	**GKL271**	Charging station for the GEB271 external universal battery (766 783), 14.8V/24/36V output power.
767 652	**GEV225**	AC power supply for the GKL271 charging station (766 784). For indoor use only!
560 130	**GEV97**	1.8m power cable. Connects external battery and scanner.

3.3 AC Power Supply
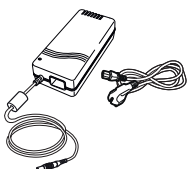
767 744	**GEV230**	AC power supply for the ScanStation C10 scanner. For indoor use only.

4 Data Transfer

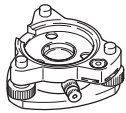|			
	766 567	**GEV228**	ScanStation C10 data cable, 2.5m, standard ethernet jack to Lemo (8pin). Connects ScanStation C10 with computer.

5 Instrument Height Meter
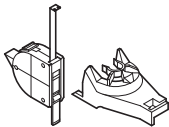
	772 829	**GHM008**	Scanner height meter
	722 045	**GHT196**	Distance holder for height meter

6 Tribrachs

	667 304	**GDF121**	Tribrach, without optical plummet, pale green.
	667 307	**GDF122**	Tribrach, with optical plummet, pale green.

7 Tripods
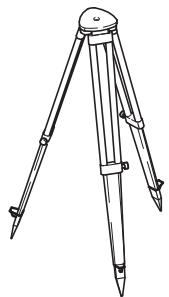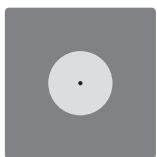
	670 238		Fibreglass tripod with quick clamp.
	332 200	**GST4**	Tripod-star, for setting up tripods on hard and slippery surfaces
	753 314	**GST73**	Rolling base with lockable wheels, suitable for all tripods. Allows the tripod to be moved without removing the instrument.

8 Targets

8.1 Targets

	6001581	Target Package C, consisting of: • 20 targets - 3" x 3" square planar, adhesive backed (670 211) • 20 targets - 3" x 3" square planar, magnetic backed (670 212) • 2 targets - 3" x 3" square planar, tilt and turn, 5/8" threaded (670 235) • 2 targets - 6" circular planar,tilt and turn, 5/8" threaded (670 220) • 1 target bag (670 225) • 1 twin-target pole (670 227) • 1 target tripod with target tripod bag (670 223, 670 224) • 3 flat magnetic mounts (670 229) • 1 V-block magnetic mount. (670 228)
	670 233	Twin Target system for establishing the verticality of scans, consisting of: • Two 3" x 3" targets, 5/8" threaded, • System pole, with bag Target tripod not included.
	670 211	Target - 3" x 3" square planar, single, adhesive-backed (10 pack).
	670 212	Target - 3" x 3" square planar, single, magnetic (10 pack).
	670 216	Target - 6" circular planar, single, adhesive-backed (10 pack).
	670 217	Target - 6" circular planar, single, magnetic (10 pack).
	670 235	Target - 3" x 3" square planar, tilt and turn, 5/8" threaded.
	670 220	Target - 6" circular planar, tilt and turn, 5/8" threaded. HDS target.
	670 252	Tilt and turn, 6" circular planar, 5/8" female threaded. HDS Black and White target.

6000177	2 complete fixed heigt "Twin-Target" pole systems, each system consists of:
	• Two 3" x 3" targets, 5/8" threaded, with bag
	• System pole, with bag (670 233)
	• Thumb release tripod (670 233)

8.2 Target Accessories

670 223	Target tripod.
670 224	Target tripod bag.
670 225	Target bag for 3" x 3" planar, 6" planar or 6" half-sphere tilt and turn targets.

8.3 Target Pole
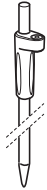
670 227	Fixed height target pole.

8.4 Magnetic Mount for Targets

670 228	V-block magnetic mount for targets with 5/8" x 11 threaded post, for mounting on steel pipes.
670 229	Flat magnetic mount for targets with 5/8" x 11 threaded post, for mounting on flat steel surfaces.

8.5 Reflector Carriers
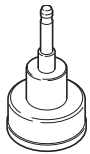
667 216	**GRT146**	Carrier with 5/8" screw
667 313	**GRT144**	Carrier with stub, pale green

8.6 Adapter

667 217	**GAD31**	Screw-to-Stub adapter, for mounting of HDS targets to poles and carriers with stub.

9 Reflectors
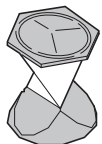
639 985	**GRZ4**	360° reflector
754 384	**GRZ122**	360° reflector with 5/8" thread.
774 700	**GAD111**	GAD104-to-Stub adapter. Adapter to mount Leica reflectors on GAD104 Smart-Antenna adapter.

10 GNSS (Global Navigation Satellite System)

10.1 GNSS SmartAntenna

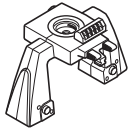|	766 715	**ATX1230+ GNSS**	GPS/GLONASS/Galileo triple frequency antenna for RX1250. Can also be used with TPS1200+/TS30/TM30 instruments for SmartStation and SmartPole setup. Bluetooth capable. For full GLONASS use, GPS L5 functionality or Gallileo functionality, the respective software options need to be ordered accordingly.

10.2 SmartAntenna Adapter

	741 965	**GAD104**	SmartAntenna adapter. Required to attach ATX1230+ antenna and/or radio modem in GFU14 housing onto TPS1200+/TS30/TM30. Requires communication side cover.

10.3 Controller for GNSS SmartAntenna

	752 847	**RX1250Xc**	WinCE System 1200 GPS Controller with colour display, touch screen, CF Card slot, alpha keyboard, 2 x GDZ56 pens for touch screen, user manual.

☞ For details about additional required products and accessories to use the GNSS option please refer to the GPS1200+, TPS1200+ or TS30 equipment lists.

11 Cleaning Kit

	670 268		Window cleaning kit for HDS Laser Scanners. Comes in a black Leica bag. Contains instructions, gloves and 50 packets of window cleaning wipes.

12 Additional Containers
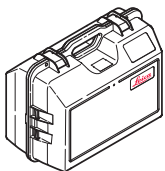
	769 625	**GVP645**	ScanStation C10 transport container
	769 626	**GVP652**	ScanStation C10 accessory container

Suggested Equipment Setups

13 Configuration stand alone/internal Battery

GEB241
754834

GEB241
754834

ScanStation C10
767742

GDF121
667304

GHT196
722045

GHM008
772829

670238
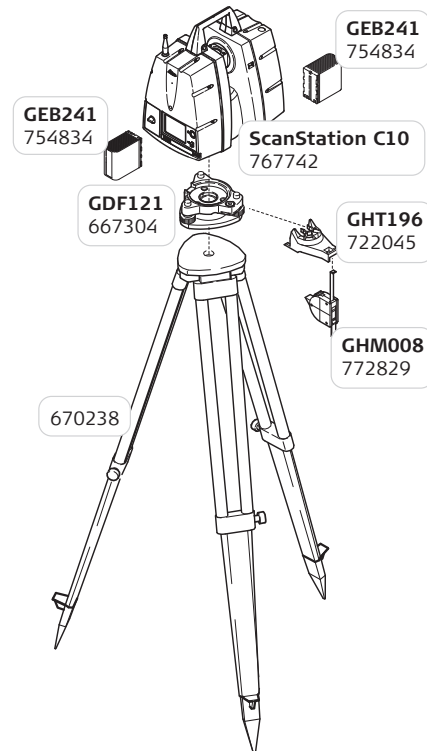
14 Configuration scan laptop/external Battery

ScanStation C10
767742

GEV228
766567

GDF121
667304

GHT196
722045

GEV97
296632

GHM008
772829

670238

GEB271
766783

GKL271
766784
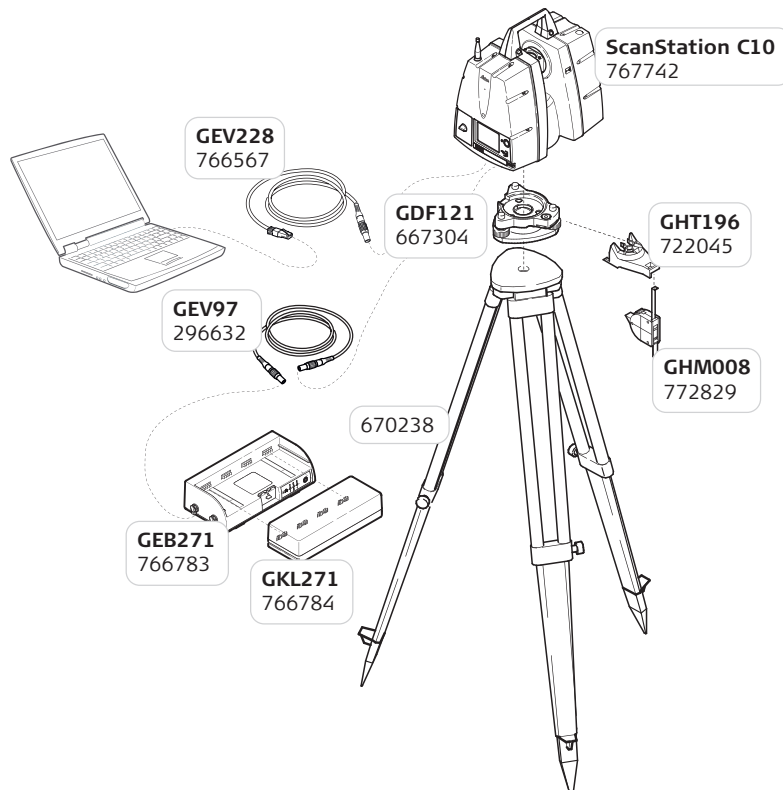
15 Configuration stand alone/internal Battery with Reflector on top

GRZ4
639985

GAD111
774700

GAD104
741965

GEB241
754834

GEB241
754834

ScanStation C10
767742

GDF121
667304

GHT196
722045

GHM008
772829

670238
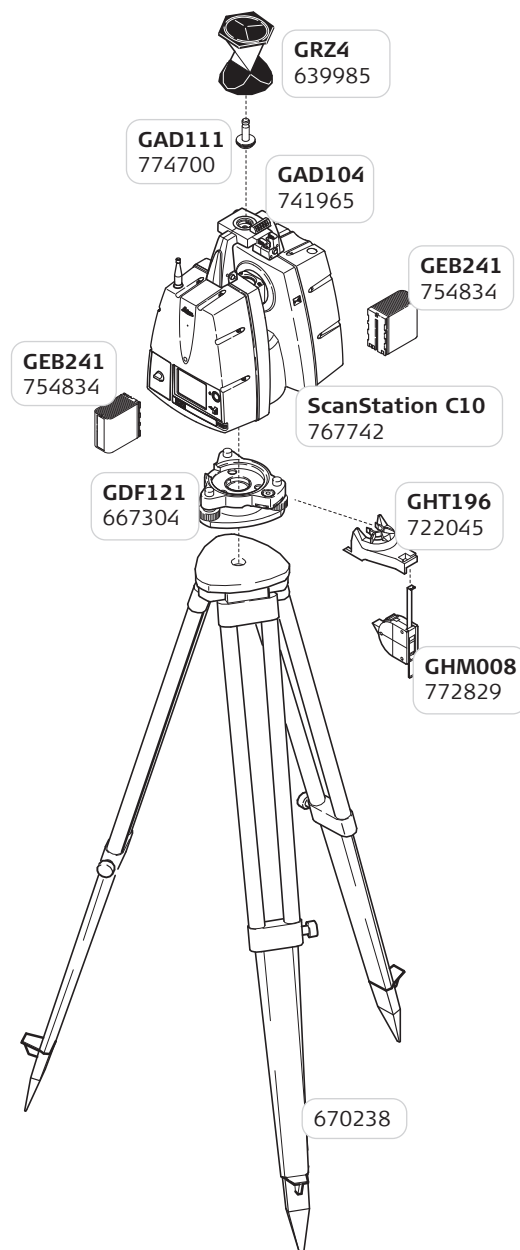
16 Configuration stand alone/internal Battery with GPS Antenna on top
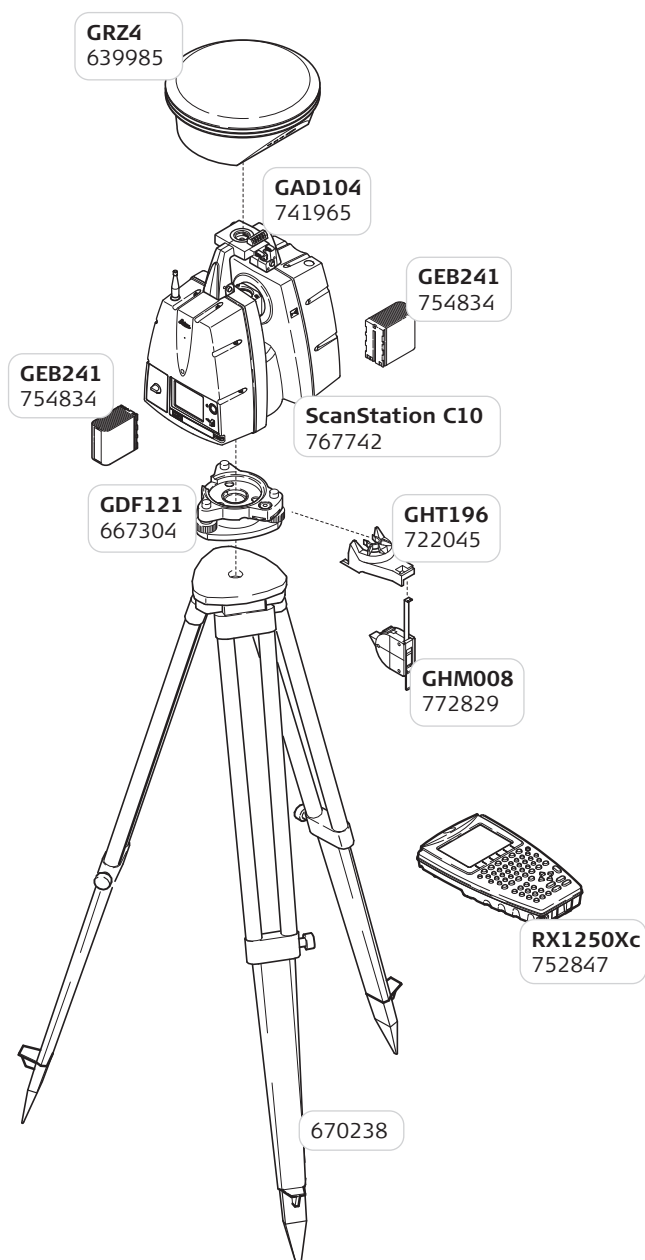
GRZ4
639985

GAD104
741965

GEB241
754834

GEB241
754834

ScanStation C10
767742

GDF121
667304

GHT196
722045

GHM008
772829

RX1250Xc
752847

670238

☞ For details about additional required products and accessories to use the GNSS option please refer to the GPS1200+, TPS1200+ or TS30 equipment lists.

Software and Care Packages

17 Software

755 609	CD-ROM Cyclone
760 954	Cyclone SCAN license for Scan-Laptop

18 Customer Care Packages (CCP)

The ScanStation C10 standard package (6003155) includes a 1 year CCP Basic contract. Multi-Year CCP contracts are available for ScanStation C10, but can only be ordered with the initial purchase of an instrument.

6003220	2 year CCP Basic
6003221	3 year CCP Basic

6003222	1st year CCP Blue
6003223	2 year CCP Blue
6003224	3 year CCP Blue

6003226	2 year CCP Bronze
6003227	3 year CCP Bronze

6003291	1st year CCP Silver
6003229	2 year CCP Silver
6003230	3 year CCP Silver

6003232	1st year CCP Gold
6003233	2 year CCP Gold
6003234	3 year CCP Gold

	Customer Support	Firmware/ Software Maintenance	Extended Warranty	Hardware Maintenance incl. Calibration	Loaner Instrument
Basic	✔	✔			
Blue	✔	✔		✔	
Bronze	✔	✔	✔		
Silver	✔	✔	✔	✔	
Gold	✔	✔	✔	✔	✔

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

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.

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TQM
ISO 9001 / ISO 14001

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Laser plummet:
Laser class 2 in accordance with IEC 60825-1 resp. EN 60825-1

Scanner:
Laser class 3R in accordance with IEC 60825-1 resp. EN 60825-1

3R

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