

Leica iCON Total Stations Equipment List



intelligent
CONstruction

- when it has to be **right**

Leica
Geosystems

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Packages for iCON robotic Total Stations


1 iCON robot 50

1.1 Models



	iCR52 / iCR55
Angle measurement	●
Distance measurement to prism	●
Distance measurement to any surface (reflectorless)	●
Motorised	●
Automatic Target Aiming	●
PowerSearch (PS)	●
RS232 and CF card interface	●
Bluetooth	●
Hotshoe interface for CommunicationHandle	●
Guide Light (EGL)	●
3D Machine Control ready	●

● Standard

 iCR50 instruments can only be ordered as part of a predefined default package. Please refer to the chapters 1.2 and 1.3 for further details.

1.2 iCR50 Packages with iCON build

	iCON robot 50 & iCON build							
	5" CC55 WLAN	2" CC55 WLAN	5" CC55 LRBT	2" CC55 LRBT	5" CC80 BT	2" CC80 BT	5" CC66 LRBT	2" CC66 LRBT
	6006677	6006678	6006679	6006680	6010009	6010010	6009102	6009103
Sensors								
iCR52, iCON robot 52 Total Station 2"		●		●		●		●
iCR55, iCON robot 55 Total Station 5"	●		●		●		●	
CC55, Rugged 3.5" Controller, WEH6.5	●	●	●	●				
CCD3, long-range BT Cap for CC5x			●	●				
CC80, Rugged 7" Tablet PC, Win8.1					●	●		
CC66, Rugged 7" Tablet PC, Win7 with LR BT							●	●
Software								
CSW101, iCON build	●	●	●	●				
CSW201, iCON build					●	●	●	●
CSW600, PowerSearch for iCR50	●	●	●	●	●	●	●	●
CSW601, Reflectorless for iCR50	●	●	●	●	●	●	●	●
Accessories								
CCD1, WLAN CommunicationHandle, black	●	●						
CCD6, LR-BT CommunicationHandle, black			●	●	●	●	●	●
GDF323, Tribrach PRO w/o plummet, black	●	●	●	●	●	●	●	●
GST120-9, Wooden tripod, telescopic	●	●	●	●	●	●	●	●

	iCON robot 50 & iCON build							
	5" CC55 WLAN	2" CC55 WLAN	5" CC55 LRBT	2" CC55 LRBT	5" CC80 BT	2" CC80 BT	5" CC66 LRBT	2" CC66 LRBT
CRP1, Construction Pole, telescopic	●	●	●	●	●	●	●	●
GSR115, Bi-Pod, for all GLS	●	●	●	●	●	●	●	●
2x GEB221, Battery, Internal, 4Ah, Li-Ion	●	●	●	●	●	●	●	●
GKL311, Single-bay Charger Professional 3000	●	●	●	●	●	●	●	●
MCF256, Compact-Flash card 256 MB	●	●	●	●	●	●	●	●
GVP658, Carry Case for iCON Robot	●	●	●	●	●	●	●	●
GVP657, Carry Case for iCON TPS accessories with CC60	●	●	●	●			●	●
GVP732, Carry Case for iCON TPS accessories with CC80					●	●		
LABEL "INSTR. LEVELING TIP"	●	●	●	●	●	●	●	●
CMB1, Pole Clamp for CC5x	●	●	●	●				
CMB2, Pole/Vehicle Mount for CC6x							●	●
CMB5, Pole Clamp for CMB2							●	●
CMB10, Pole Holder for CC80 Tablet PC					●	●		
GHT63, Pole Clamp for CMB10					●	●		
Documentation								
User Manual iCON build	●	●	●	●	●	●	●	●
Quick Guide iCON robot 50	●	●	●	●	●	●	●	●
Quick Guide iCON CC80/CC66					●	●	●	●
Leica iCONstruct USB-Card	●	●	●	●	●	●	●	●

● Standard

1.3 iCR50 Packages with iCON site

	iCON robot 50 & iCON site			
	5" CC80 BT	2" CC80 BT	5" CC66 LRBT	2" CC66 LRBT
	6010011	6010012	6009104	6009105
Sensors				
iCR52, iCON robot 52 Total Station 2"		●		●
iCR55, iCON robot 55 Total Station 5"	●		●	
CC80, Rugged 7" Tablet PC, Win8.1	●	●		
CC66, Rugged 7" Tablet PC, Win7 with LR BT			●	●
Software				
CSW102, iCON site	●	●		
CSW202, iCON site			●	●
CSW600, PowerSearch for iCR50	●	●	●	●
CSW601, Reflectorless for iCR50	●	●	●	●
CSW604, MC license for iCR50	●	●	●	●

	iCON robot 50 & iCON site			
	5" CC80 BT	2" CC80 BT	5" CC66 LRBT	2" CC66 LRBT
Accessories				
CCD6, LR-BT CommunicationHandle, black	●	●	●	●
GDF323 Tribrach PRO w/o plummet, black	●	●	●	●
GST120-9, Wooden tripod, telescopic	●	●	●	●
CRP1, Construction Pole, telescopic	●	●	●	●
GSR115, Bi-Pod, for all GLS	●	●	●	●
2x GEB221, Battery, Internal, 4Ah, Li-Ion	●	●	●	●
GKL311, Single-bay Charger Professional 3000	●	●	●	●
MCF256, CompactFlash card 256MB	●	●	●	●
GVP658, Carry Case for iCON Robot	●	●	●	●
GVP657, Carry Case for iCON TPS accessories with CC60	●	●	●	●
GVP732, Carry Case for iCON TPS accessories with CC80	●	●		
LABEL "INSTR. LEVELING TIP"	●	●	●	●
CMB2, Pole/Vehicle Mount for CC6x			●	●
CMB5, Pole Clamp for CMB2			●	●
CMB10, Pole Holder for CC80 Tablet PC	●	●		
GHT63, Pole Clamp for CMB10	●	●		
Documentation				
User Manual iCON site	●	●	●	●
Quick Guide iCON robot 50	●	●	●	●
Quick Guide iCON CC80/CC66			●	●
Leica iCONstruct USB-Card	●	●	●	●

● Standard

1.4 iCR50 Kits for Machine Control

	Machine Control Kits	
	5"	2"
	6006690	6006689
Sensors		
iCR52, iCON robot 52 Total Station 2"		●
iCR55, iCON robot 55 Total Station 5"	●	
Software		
CSW600, PowerSearch for iCR50 *	●	●
CSW604, MC license for iCR50	●	●
Accessories		
GDF323, Tribrach PRO w/o plummet, black	●	●
2x GEB221, Battery, Internal, 4Ah, Li-Ion	●	●
GKL311, Single-bay Charger Professional 3000	●	●
MCF256, CompactFlash card 256 MB	●	●
GVP658, Carry Case for iCON Robot	●	●
LABEL "INSTR. LEVELING TIP"	●	●
Documentation		
Quick Guide iCON robot 50	●	●
Leica iCONstruct USB-Card	●	●

● Standard

* PowerSearch is only active when coupled with Leica 3D Machine Control



These are recommended default configurations.



iCON robot 50 & iCONstruct Field Software CCPs have to be ordered as part of the packages.



For more accessories and options, please refer to chapters 4 and "Accessories for Total Station".

2 iCON robot 60


2.1 Models



	iCR61 / iCR62 / iCR65
Angle measurement	●
Distance measurement to prism	●
Distance measurement to any surface (reflectorless)	●
Motorised	●
Automatic Target Aiming	●
PowerSearch (PS)	●
RS232, SD-Card and USB memory stick interface	●
Internal Bluetooth	●
Hotshoe interface for CommunicationHandle	●
Long-range Bluetooth capable	●
Guide Light (EGL)	●
Laser plummet	●
3D Machine Control ready	●
3.5" colour & touch screen	●
Alphanumeric keyboard	●
iCONstruct start kit on-board software *	●

● Standard

* iCR60 iCONstruct start kit includes Communication and Instrument Settings, Field Calibration, Data Management.

 iCR60 instruments can only be ordered as part of a predefined default package. Please refer to the chapters 2.2 and 2.3 for further details.

2.2 iCR60 Packages with iCON build

	iCON robot 60 & iCON build					
	1" CC80 BT	2" CC80 BT	5" CC80 BT	1" CC66 LRBT	2" CC66 LRBT	5" CC66 LRBT
	6010015	6010014	6010013	6006798	6006797	6006796
Sensors						
iCR61, iCON robot 61 Total Station 1"	●			●		
iCR62, iCON robot 62 Total Station 2"		●			●	
iCR65, iCON robot 65 Total Station 5"			●			●
CC80, Rugged 7" Tablet PC, Win8.1	●	●	●			
CC66, Rugged 7" Tablet PC, Win7 with LR BT				●	●	●
Software						
CSW101, iCON build	●	●	●			
CSW201, iCON build				●	●	●
CSW605, PowerSearch for iCR60	●	●	●	●	●	●
CSW606, Reflectorless for iCR60	●	●	●	●	●	●
Accessories						
GDF323, Tribrach PRO w/o plummet, black	●	●	●	●	●	●
GST120-9, Wooden tripod, telescopic	●	●	●	●	●	●
2x GEB222, Li-Ion battery, 7.4V/6Ah, chargeable	●	●	●	●	●	●
GKL311, Single-bay Charger Professional 3000	●	●	●	●	●	●
CCD6, LR-BT CommunicationHandle, black	●	●	●	●	●	●
MSD1000, industrial grade SD memory card 1 GB	●	●	●	●	●	●
MS1, industrial grade USB memory stick 1 GB	●	●	●	●	●	●
GEV223, data cable USB to mini-USB, 1.8 m	●	●	●	●	●	●
MPR122, 360° Reflector PRO	●	●	●	●	●	●

	iCON robot 60 & iCON build					
	1" CC80 BT	2" CC80 BT	5" CC80 BT	1" CC66 LRBT	2" CC66 LRBT	5" CC66 LRBT
CRP1, Construction Pole, telescopic	●	●	●	●	●	●
GSR115, Bi-Pod, for all GLS	●	●	●	●	●	●
CMB2, Pole/Vehicle Mount for CC6x				●	●	●
CMB5, Pole Clamp for CMB2				●	●	●
CMB10, Pole Holder for CC80 Tablet PC	●	●	●			
GHT63, Pole Clamp for CMB10	●	●	●			
GVP658, Carry Case for iCON Robot	●	●	●	●	●	●
GVP657, Carry Case for iCON TPS accessories with CC60				●	●	●
GVP732, Carry Case for iCON TPS accessories with CC80	●	●	●			
Documentation						
User Manual iCON build	●	●	●	●	●	●
Quick Guide iCON robot 60	●	●	●	●	●	●
Quick Guide iCON CC80/CC66				●	●	●
Leica USB-Card-Folder A5 iCON	●	●	●	●	●	●

● Standard

2.3 iCR60 Packages with iCON site

	iCON robot 60 & iCON site					
	1" CC80 BT	2" CC80 BT	5" CC80 BT	1" CC66 LRBT	2" CC66 LRBT	5" CC66 LRBT
	6010018	6010017	6010016	6006804	6006803	6006802
Sensors						
iCR61, iCON robot 61 Total Station 1"	●			●		
iCR62, iCON robot 62 Total Station 2"		●			●	
iCR65, iCON robot 65 Total Station 5"			●			●
CC80, Rugged 7" Tablet PC, Win8.1	●	●	●			
CC66, Rugged 7" Tablet PC, Win7 with LR BT				●	●	●
Software						
CSW102, iCON site	●	●	●			
CSW202, iCON site				●	●	●
CSW605, PowerSearch for iCR60	●	●	●	●	●	●
CSW606, Reflectorless for iCR60	●	●	●	●	●	●
CSW608, iCON app "MC" for iCR80	●	●	●	●	●	●
Accessories						
GDF323, Tribrach PRO w/o plummet, black	●	●	●	●	●	●
GST120-9, Wooden tripod, telescopic	●	●	●	●	●	●
2x GEB222, Li-Ion battery, 7.4V/6Ah, chargeable	●	●	●	●	●	●
GKL311, Single-bay Charger Professional 3000	●	●	●	●	●	●
CCD6, LR-BT CommunicationHandle, black	●	●	●	●	●	●
MSD1000, industrial grade SD memory card 1 GB	●	●	●	●	●	●
MS1, industrial grade USB memory stick 1 GB	●	●	●	●	●	●
GEV223, data cable USB to mini-USB, 1.8 m	●	●	●	●	●	●
MPR122, 360° Reflector PRO	●	●	●	●	●	●
CRP1, Construction Pole, telescopic	●	●	●	●	●	●
GSR115, Bi-Pod, for all GLS	●	●	●	●	●	●
CMB2, Pole/Vehicle Mount for CC6x				●	●	●
CMB5, Pole Clamp for CMB2				●	●	●
CMB10, Pole Holder for CC80 Tablet PC	●	●	●			
GHT63, Pole Clamp for CMB10	●	●	●			

	iCON robot 60 & iCON site					
	1" CC80 BT	2" CC80 BT	5" CC80 BT	1" CC66 LRBT	2" CC66 LRBT	5" CC66 LRBT
GVP658, Carry Case for iCON Robot	●	●	●	●	●	●
GVP657, Carry Case for iCON TPS accessories with CC60				●	●	●
GVP732, Carry Case for iCON TPS accessories with CC80	●	●	●			
Documentation						
User Manual iCON site	●	●	●	●	●	●
Quick Guide iCON robot 60	●	●	●	●	●	●
Quick Guide iCON CC80/CC66				●	●	●
Leica USB-Card-Folder A5 iCON	●	●	●	●	●	●

● Standard

2.4 iCR60 Kits for Machine Control


	Machine Control Kits		
	1"	2"	5"
	6009000	6008999	6008998
Sensors			
iCR61, iCON robot 61 Total Station 1"	●		
iCR62, iCON robot 62 Total Station 2"		●	
iCR65, iCON robot 65 Total Station 5"			●
Software			
CSW613, iCR60 iCONstruct MC kit *	●	●	●
Accessories			
GDF323, Tribrach PRO w/o plummet, black	●	●	●
2x GEB222, Li-Ion battery, 7.4V/6Ah, chargeable	●	●	●
GKL311, Single-bay Charger Professional 3000	●	●	●
MSD1000, industrial grade SD memory card 1 GB	●	●	●
MS1, industrial grade USB memory stick 1 GB	●	●	●
GVP658, Carry Case for iCON Robot	●	●	●
Documentation			
Quick Guide iCON robot 60	●	●	●
Leica USB-Card-Folder A5 iCON	●	●	●

● Standard

* CSW613, iCR60 iCONstruct MC kit includes Communication and Instrument Settings, Field Calibration, Data Management, Setup, Measure app, Machine Control app, Power Search, Setup Pilot, Target Snap, Cube Search.

 These are recommended default configurations.

 iCON robot 60 & iCONstruct Field Software CCPs have to be ordered as part of the packages.

 For more accessories and options, please refer to chapters 5, 6 and "Accessories for Total Station".

3 iCON builder 60


3.1 Models



	iCB62 / iCB65 / iCB69
Angle measurement	●
Distance measurement to prism	●
Distance measurement to any surface (reflectorless)	●
RS232, SD-Card and USB memory stick interface	●
Internal Bluetooth	●
Guide Light (EGL)	●
Laser plummet	●
3.5" colour & touch screen	●
Alphanumeric keyboard	●
iCONstruct start kit on-board software *	●

● Standard

* iCB60 iCONstruct start kit includes Communication and Instrument Settings, Field Calibration, Data Management, Setup, As-Build app, Layout Points app.

 iCB60 instruments can only be ordered as part of a predefined default package. Please refer to the chapters 3.2 for further details.

3.2 iCB60 Packages with iCON build

	iCON builder 60		
	2"	5"	9"
	6008666	6008668	6008669
Sensors			
iCB62, iCON builder 62 Total Station 2"	●		
iCB65, iCON builder 65 Total Station 5"		●	
iCB69, iCON builder 69 Total Station 9"			●
Software			
CSW403, Reflectorless for iCB60	●	●	●
Accessories			
GDF323 Tribrach PRO w/o plummet, black	●	●	●
GEB222, Li-Ion battery, 7.4V/6Ah, chargeable	●	●	●
GEB212, Li-Ion battery, 7.4V/2.6Ah, chargeable	●	●	●
GKL311, Single-bay Charger Professional 3000	●	●	●
MSD1000, industrial grade SD memory card 1 GB	●	●	●
MS1, industrial grade USB memory stick 1 GB	●	●	●
GEV223, data cable USB to mini-USB, 1.8 m	●	●	●
CPR111, BUILDER prism, true-zero offset, incl. bubble	●	●	●
GLS115, Mini reflector pole set	●	●	●
GVP715, Carry Case for iCON builder	●	●	●
Documentation			
User Manual iCON build	●	●	●
Quick Guide iCON builder 60	●	●	●
Leica USB-Card-Folder A5 iCON	●	●	●

● Standard

 These are recommended default configurations.

 For more accessories and options, please refer to chapters 7 and "Accessories for Total Station".

Additional Total Station Options

4 iCON robot 50 Options

792 696	CSW600	PowerSearch option for iCR50
792 697	CSW601	Reflectorless option for iCR50
792 704	CSW604	MC license for iCR50

5 iCON robot 60 and iCON builder 60 Options

817 545	CSW610	iCON build for iCB60/iCR60
817 549	CSW614	iCON build plus for iCB60/iCR60
817 551	CSW616	iCON app "Sketch" for iCB60/iCR60
817 552	CSW617	iCON app "Volumes" for iCB60/iCR60
817 553	CSW618	iCON app "Stakeout" for iCB60/iCR60
817 557	CSW622	iCON app "Lines" for iCB60/iCR60
817 558	CSW623	iCON app "Cut & Fill" for iCB60/iCR60
817 560	CSW625	iCON app "Roading" for iCB60/iCR60
817 561	CSW626	iCON app "Slopes" for iCB60/iCR60
817 562	CSW627	iCON app "Checks" for iCB60/iCR60
820 819	CSW633	MC Calibration for iCB60/iCR60

6 iCON robot 60 only Options

793 070	CSW605	PowerSearch for iCR60
793 072	CSW606	Reflectorless 1000m for iCR60
793 074	CSW608	iCON app "MC" for iCR60
817 546	CSW611	iCON site for iCR60
817 548	CSW613	iCR60 iCONstruct MC Kit
817 550	CSW615	iCON site plus for iCR60
817 554	CSW619	iCON app "Control Line" for iCR60
817 555	CSW620	iCON app "As-Built" for iCR60
817 556	CSW621	iCON app "Layout Points" for iCR60
817 559	CSW624	iCON app "Setup" for iCR60
817 563	CSW628	Setup Pilot for iCR60
817 564	CSW629	Target Snap for iCR60
817 565	CSW630	Cube Search for iCR60
817 566	CSW631	ATAACK for iCR60

7 iCON builder 60 only Options

820 821	CSW403	Reflectorless 500m for iCB60
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Accessories for Total Station

8 Communication Handles



790 050	CCD1	WLAN Communication Handle, black.
823 111	CCD6	Long-range Bluetooth Communication Handle, black.

9 Power Supply


9.1 Internal Batteries



733 270	GEB221	Lithium-Ion battery, 7.4V/4.4Ah, chargeable.
793 973	GEB222	Lithium-Ion battery, 7.4V/6.0Ah, chargeable.
772 806	GEB212	Lithium-Ion battery, 7.4V/2.6Ah, chargeable.

9.2 External Batteries



818 916	GEB371	External universal battery, Li-Ion, 13 V, 250 Wh, rechargeable.
749 279	GEV208	External power supply unit. To connect iCR50 instruments to mains power (220V to 12V).  Requires a GEV52 or GEV187 cable.

9.3 Battery Cables



439 038	GEV71	Car battery cable 4m, to connect 12V car battery.
409 678	GEV52	Cable, connects iCR50 to external battery.
734 697	GEV186	Y-cable, connects iCR50 to TCPS28 and external battery.
734 698	GEV187	Y-cable, connects iCR50 to PC (9-pin RS232 serial) and external battery, 2m.
707 525	GK1	Lemo Canon converter 30°, for PC (Lemo to RS232) to be used with GEV186 cable.

9.4 Battery Chargers



779 185	GKL311	Single-bay Charger Professional 3000. Charger for one Li-Ion battery, including AC/DC adaptor and cigarette lighter cable.
799 187	GKL341	Multi-bay Charger Professional 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. Can also be used to power CS10/CS15 field controller directly from a cigarette lighter.
774 437	GEV242	Charger for GEB371 external battery.

10 Data Storage and Data Transfer

10.1 Memory Devices



733 257	MCF256	CompactFlash card 256 MB.
745 995	MCF1000	CompactFlash card 1 GB.
767 856	MSD1000	Industrial grade SD memory card 1 GB.
789 139	MSD08	Industrial grade SD memory card 8 GB.
765 199	MS1	Industrial grade USB memory stick 1 GB.

10.2 Card Reader



767 895	MCR7	Card reader for SD/CF cards.
733 258	MCFAD1	CompactFlash PC card adapter.

10.3 Data Transfer Cables



563 625	GEV102	Data transfer cable, connects Total Station to PC (9-pin RS232 serial), 2m.
734 697	GEV186	Y-cable, connects Total Station to TCPS28 and external battery.
734 698	GEV187	Y-cable, connects Total Station to PC (9-pin RS232 serial) and external battery, 2m.
806 093	GEV267	2.0m serial data transfer cable, converter cable USB to serial (Lemo to USB connector).
764 700	GEV223	Data cable USB to mini-USB, 1.8m.
707 525	GK1	Lemo Canon converter 30°, for PC (Lemo to RS232) to be used with GEV186 cable.

11 Optical Accessories

11.1 Eyepiece



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

11.2 Autocollimation Set



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

11.3 Objective



743 504	GVO13	Objective solar filter for TPS instruments.
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12 Instrument Height Meter



667 718	GHM007	Instrument height meter.
722 045	GHT196	Distance holder for height meter.

13 Tribrachs



777 970	GDF323	Tribrach PRO w/o plummet, black.
783 100	GUS85	Tribrach shifttable, black.

14 Tripods



296 632	GST20	Tripod, telescopic, with accessories (plumb bob, carrying strap and side clamp screws), with pouch.
394 752	GST20-9	Tripod, telescopic, with accessories.
667 301	GST120-9	Tripod, telescopic, selfclosing, with accessories.
332 200	GST4	Tripod-star, for setting up tripods on hard and slippery surfaces.

15 Reflector Poles

15.1 Standard Poles



794 336	CRP1	Construction Pole, telescopic, cm-graduation, for MPR122 or GNSS antenna, upside-down use incl. plate. Carbon and aluminium, 2x 5/8" screws, 2x circular bubble, extendable.
795 054	CRP2	Construction Pole, telescopic, ft-graduation, for MPR122 or GNSS antenna, upside-down use incl. plate. Carbon and aluminium, 2x 5/8" screws, 2x circular bubble, extendable.
796 130	CRP3	Construction Pole, telescopic, ft-decimal graduation, for MPR122 or GNSS antenna, upside-down use incl. plate. Carbon and aluminium, 2x 5/8" screws, 2x circular bubble, extendable.
806 685	CRP10	Construction Pole Tip, cm.
806 687	CRP11	Construction Pole Plate, cm.
817 344	CRP12	Centre punch tip for all CRP poles. Hard metal tip works for example on concrete, metal, wood.
817 345	CRP13	Adapter for fixing CRP10, CRP11, CRP12 to CRP2 or CRP3.
820 845	CRP14	Handle with circular bubble, fits all CRP poles or MPR/GZR122 prisms with 5/8" thread.
754 391	GLS12	Reflector pole, telescopic to 2.00m with circular bubble, cm graduations.
754 389	GLS12F	Reflector pole, telescopic to 2.00m with circular bubble, ft graduations.
667 222	GLS18	Pole extension 1m, aluminium, 5/8" thread on both sides.
667 309	GLS111	Reflector pole, with bull's-eye bubble, cm/ft graduation, extends to 2.60m, with red/white 0.20m graduations.

15.2 Hidden Point Pole

742 329	GMP112	Hidden Point pole extension for GMP111 (mini prism pole set). Includes mini prism with holder and 30cm adapter pole.
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15.3 Mini Pole



403 427	GLS14	Mini reflector pole, (prism/target 20cm over point), with circular bubble.
642 106	GLS115	Mini reflector pole, four screw-together sections, extends to 1.30m, for GMP111/CPR105.
747 895	GLI115	Clip-on bubble for GLS115.

15.4 Bi-pods



774 612	GSR115	Bi-Pod, for all GLS.
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16 Reflectors

16.1 Circular Reflectors



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

16.2 360° Reflectors



756 637	MPR122	360° Reflector PRO.
667 217	GAD31	Screw to stub adapter.
644 327	GRZ101	360° mini prism with 1/4" thread fitting. Not supported by PowerSearch.
742 006	GAD103	Adapter for attaching GRZ101 to all poles with Leica Geosystems stub.
754 384	GRZ122	360° Reflector.
639 985	GRZ4	360° Reflector.

16.3 Precision Reflectors



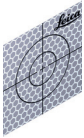
555 631	GPH1P	Single-prism precision reflector.
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16.4 Mini Reflectors



761 712	CPR111	BUILDER prism, true-zero offset, incl. Bubble.
641 662	GMP101	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	GMP104	Mini prism, with L-bar, for fixed installations.
641 615	GMP111	Mini prism, incl. bubble, with GLS115 pole set.
642 534	GMP111-0	Mini prism 0-constant, incl. bubble, with GLS115 pole set.
743 503	GAD105	Adapter for GMP111 to all poles with Leica Geosystems stub.

16.5 Reflector Tapes



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

17 Additional Containers



790 125	GVP658	Carry Case for iCON Robot.
790 052	GVP657	Carry Case for iCON TPS accessories with CC5x/CC6x.
833 349	GVP732	Carry Case for iCON TPS accessories with CC8x.
817 342	GVP715	Carry Case for iCON builder.

17.1 Container Accessories



833 516	GVP716	Backpack carrying systems for all large TPS and GNSS containers.
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Remote Control

18 Remote Control

18.1 CC55 & CC80/66 Field Controller



817 340	CC55 Field Controller	Ruggedized Windows Embedded handheld 6.5 controller with 3.5" touch screen with 600 nits QuadraClear™ sunlight readable display, 1 GHz processor, 256 MB NAND Flash Memory, 512 MB MDDR, 8 GB extended storage, internal WiFi module, Bluetooth, numeric keypad, 2 stylus, long-range Bluetooth ready, Altimeter, e-compass, SiRFstar IV GPS, AC/DC adaptor, 5.6 Ah Battery, USB cable, protection film, hand strap and 5 MP camera.
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833 203	CC80-0	CC80-0 Tablet PC, EU Ruggedized Win8.1 Tablet PC with 7" screen, 10-point capacitive multi touch daylight-readable screen, Intel Core i5-4302Y vPro 1.6 GHz, 128 GB SSD hard drive, 4 GB SDRAM, WLAN 802.11 a/b/g/n/ac, Bluetooth v4.0, integrated 3G module, integrated L1 GPS, extended battery (7.1 Ah), up to 8MP camera with flash, stylus and AC/DC adaptor.
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833 204	CC80-1	CC80-1 Tablet PC, US Ruggedized Win8.1 Tablet PC with 7" screen, 10-point capacitive multi touch daylight-readable screen, Intel Core i5-4302Y vPro 1.6 GHz, 128 GB SSD hard drive, 4 GB SDRAM, WLAN 802.11 a/b/g/n/ac, Bluetooth v4.0, integrated 4G module, integrated L1 GPS, extended battery (7.1 Ah), up to 8MP camera with flash, stylus and AC/DC adaptor.
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833 205	CC80-2	CC80-2 Tablet PC, CAN Ruggedized Win8.1 Tablet PC with 7" screen, 10-point capacitive multi touch daylight-readable screen, Intel Core i5-4302Y vPro 1.6 GHz, 128 GB SSD hard drive, 4 GB SDRAM, WLAN 802.11 a/b/g/n/ac, Bluetooth v4.0, integrated 4G module, integrated L1 GPS, extended battery (7.1 Ah), up to 8MP camera with flash, stylus and AC/DC adaptor.
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833 206	CC80-3	CC80-3 Tablet PC, AUS/NZ Ruggedized Win8.1 Tablet PC with 7" screen, 10-point capacitive multi touch daylight-readable screen, Intel Core i5-4302Y vPro 1.6 GHz, 128 GB SSD hard drive, 4 GB SDRAM, WLAN 802.11 a/b/g/n/ac, Bluetooth v4.0, integrated 4G module, integrated L1 GPS, extended battery (7.1 Ah), up to 8MP camera with flash, stylus and AC/DC adaptor.
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833 207	CC80-4	CC80-4 Tablet PC, RU Ruggedized Win8.1 Tablet PC with 7" screen, 10-point capacitive multi touch daylight-readable screen, Intel Core i5-4302Y vPro 1.6 GHz, 128 GB SSD hard drive, 4 GB SDRAM, WLAN 802.11 a/b/g/n/ac, Bluetooth v4.0, integrated 3G module, integrated L1 GPS, extended battery (7.1 Ah), up to 8MP camera with flash, stylus and AC/DC adaptor.
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833 208	CC80-5	CC80-5 Tablet PC, JP Ruggedized Win8.1 Tablet PC with 7" screen, 10-point capacitive multi touch daylight-readable screen, Intel Core i5-4302Y vPro 1.6 GHz, 128 GB SSD hard drive, 4 GB SDRAM, WLAN 802.11 a/b/g/n/ac, Bluetooth v4.0, integrated 4G module, integrated L1 GPS, extended battery (7.1 Ah), up to 8MP camera with flash, stylus and AC/DC adaptor.
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818 194	CC66 Tablet PC	Ruggedized Win7 (Ultimate Edition) Tablet Computer with 7" touch-widescreen, Intel Atom™ N2600 1.6 GHz Dual Core, 128 GB SSD hard drive, 4 GB SDRAM, WLAN 802.11 b/g/n, integrated EDGE/HSPDA/GSM/UMTS/CDMA module, integrated long-range Bluetooth, integrated ublox GPS, 2 batteries (5.2Ah each), stylus, AC/DC adaptor and 5 MP camera with flash. Long-range Bluetooth optimized for robotic Total Station communication.
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18.2 CC5x Communication Cap



790 047	CCD3	Long-range Bluetooth Cap for CC5x.
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18.3 Remote Control Packages with iCON Software

	iCON build				iCON site		
	CC55 WLAN	CC55 LRBT	CC80 BT	CC66 LRBT	CC55 LRBT	CC80 BT	CC66 LRBT
	6006691	6006692	6010332	6006694	6006695	6010333	6009099
Sensors							
CC55, Rugged 3.5" Controller, WEH6.5	●	●			●		
CCD3, long-range BT Cap for CC5x		●			●		
CC80, Rugged 7" Tablet PC, Win8.1			●			●	
CC66, Rugged 7" Tablet PC, Win7 with LR BT				●			●
Software							
CSW101, iCON build	●	●					
CSW201, iCON build			●	●			
CSW102, iCON site					●		
CSW202, iCON site						●	●
Accessories							
MS1, industrial grade USB memory stick 1 GB	●	●	●	●	●	●	●
Documentation							
User Manual iCON build	●	●	●	●			
User Manual iCON site					●	●	●
Quick Guide iCON CC80/CC66			●	●		●	●
Leica iCONstruct USB-Card	●	●	●	●	●	●	●

 iCONstruct Field Software CCPs have to be ordered as part of the packages

19 iCONstruct Field Software and Apps

19.1 iCON build

For CC55 iCON Controller

793 112	CSW101	iCON build. Includes: iCON apps "As-Built", "Layout Points", "Layout Lines", "Sketch", "Checks" and "Reports".
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Optional apps for iCON build on CC55 iCON Controller

793 115	CSW104	iCON app "Volumes"
793 118	CSW107	iCON app "Stakeout"
793 122	CSW109	iCON app "Cut & Fill"
793 136	CSW120	iCON app "Slopes"
793 129	CSW114	iCON app "MC Calibration". Supports Excavator & Wheel Loader calibration.
793 132	CSW116	iCON build plus. Includes: iCON apps "Volumes", "Stakeout", "Cut & Fill", "MC Calibration" and "Slopes".

For CC6x/CC8x iCON Controller

793 853	CSW201	iCON build. Includes: iCON apps "As-Built", "Layout Points", "Layout Lines", "Sketch", "Checks" and "Reports".
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Optional apps for iCON build on CC6x/CC8x iCON Controller

793 855	CSW204	iCON app "Volumes"
793 850	CSW207	iCON app "Stakeout"
793 849	CSW209	iCON app "Cut & Fill"
793 844	CSW213	iCON app "Roading"
793 156	CSW220	iCON app "Slopes"
793 843	CSW214	iCON app "MC Calibration". Supports Excavator & Wheel Loader calibration.
833 477	CSW242	iCON app "Surface Pilot"
793 841	CSW216	iCON build plus. Includes: iCON apps "Volumes", "Stakeout", "Cut & Fill", "MC Calibration" and "Slopes".

Telematics apps for iCONstruct field on CC6x/CC8x iCON Controller

818 727	CSW234	iCONstruct Telematics 1 Year License. Enables iCON Telematics View, Sync and Track for iCONstruct field.
818 728	CSW235	iCONstruct Telematics 2 Years License. Enables iCON Telematics View, Sync and Track for iCONstruct field.
818 729	CSW236	iCONstruct Telematics 3 Years License. Enables iCON Telematics View, Sync and Track for iCONstruct field.
818 730	CSW237	iCONstruct Telematics 1 Day License. Enables iCON Telematics View, Sync and Track for iCONstruct field.

19.2 iCON site

For CC55 iCON Controller

793 113	CSW102	iCON site. Includes: iCON apps "Data Collection", "Stakeout", "Draw", "Cut & Fill", "Volumes", "Slopes", "Reports" and "MC Calibration".
821 265	CSW123	iCON site entry. Includes: iCON apps "Data Collection", "Stakeout" and "Draw".

Optional apps for iCON site on CC55 iCON Controller

793 114	CSW103	iCON app "Sketch"
793 116	CSW105	iCON app "Control Line"
793 120	CSW108	iCON app "Layout Lines"
793 115	CSW104	iCON app "Volumes"
793 122	CSW109	iCON app "Cut & Fill"
793 123	CSW110	iCON app "Checks"
793 136	CSW120	iCON app "Slopes"
793 129	CSW114	iCON app "MC Calibration". Supports Excavator & Wheel Loader calibration.
821 267	CSW124	iCON site entry upgrade. Includes: iCON apps "Cut & Fill", "Slopes", "Reports" and "MC Calibration".
793 131	CSW115	iCON site plus. Includes: iCON apps "Sketch", "Control Line", "Layout Lines" and "Checks".

For CC6x/CC8x iCON Controller

793 852	CSW202	iCON site. Includes: iCON apps "Data Collection", "Stakeout", "Draw", "Cut & Fill", "Volumes", "Slopes", "Reports" and "MC Calibration".
821 268	CSW240	iCON site entry. Includes: iCON apps "Data Collection", "Stakeout" and "Draw".

Optional apps for iCON site on CC6x/CC8x iCON Controller

793 857	CSW203	iCON app "Sketch"
793 859	CSW205	iCON app "Control Line"
793 851	CSW208	iCON app "Layout Lines"
793 855	CSW204	iCON app "Volumes"
793 849	CSW209	iCON app "Cut & Fill"
793 848	CSW210	iCON app "Checks"
793 844	CSW213	iCON app "Roading"
793 156	CSW220	iCON app "Slopes"
793 843	CSW214	iCON app "MC Calibration". Supports Excavator & Wheel Loader calibration.
833 477	CSW242	iCON app "Surface Pilot"
821 269	CSW241	iCON site entry upgrade. Includes: iCON apps "Cut & Fill", "Slopes", "Reports" and "MC Calibration".
793 842	CSW215	iCON site plus. Includes: iCON apps "Sketch", "Control Line", "Layout Lines" and "Checks".

Telematics apps for iCONstruct field on CC6x/CC8x iCON Controller

818 727	CSW234	iCONstruct Telematics 1 Year License. Enables iCON Telematics View, Sync and Track for iCONstruct field.
818 728	CSW235	iCONstruct Telematics 2 Years License. Enables iCON Telematics View, Sync and Track for iCONstruct field.
818 729	CSW236	iCONstruct Telematics 3 Years License. Enables iCON Telematics View, Sync and Track for iCONstruct field.
818 730	CSW237	iCONstruct Telematics 1 Day License. Enables iCON Telematics View, Sync and Track for iCONstruct field.

19.3 Apps included in iCONstruct Field Software

	iCON build	iCON site entry	iCON site
General: <ul style="list-style-type: none"> Graphical selection of point from map Graphical navigation to point StatusBar+ with shortcuts MaxMap with button transparency Map OPS+ with intelligent map controls IntuiNav+ with traffic light quality checks Sound notification on point storing Selection of pre-set pole height 3D View 	●	●	●
Sketching includes: <ul style="list-style-type: none"> Point Pilot quick point creation Close figure Radius Point & long/short radius Point Projection Point & Line calculations Arc calculations Offset calculations Point Computation (intersections, ...) Patterns Trace 	●	-	-
As-Built / Measure / Data Collection includes: <ul style="list-style-type: none"> Data Collection Coding Auto points logging Target Shift calculations Auto line drawing Auto arc creation 	●	●	●
Layout Points includes: <ul style="list-style-type: none"> Graphical layout guidance In-map line/offset data Two tape layout Layout based on reference line Guiding telescope line 	●	-	-
Checks includes verification of: <ul style="list-style-type: none"> Distance (horizontal, vertical, sloped) Slope (degree, percent, ratio) Area Perimeter Block volume Included angle & azimuth 	●	-	-
Layout Lines includes: <ul style="list-style-type: none"> Start/end line flag Flip line Parallels & perpendiculars Create lines with 2 points Create arc (3 points or 2 points + radius) Line/arc offsets Graphical infinite line support 	●	-	-
Stakeout includes: <ul style="list-style-type: none"> Graphical navigation to point Graphical navigation to lines Create & edit points Create polylines & arcs 3D offset Define chainage Add reference line to stakeout point Flip Line (Start and End Point) Create points & lines with bearing and distance Divide lines Automatic selection of next point (Nearest Distance, Next Point from List, Nearest from List) 	-	●	●

	iCON build	iCON site entry	iCON site
Cut & Fill includes: <ul style="list-style-type: none"> • Cross-section view • Set orientation according to direction of travel and fixed direction • Cut/Fill view with large deviation values and colour coded • Get cut/fill values to a defined elevation (e.g. type in elevation, balanced site elevation from terrain model) • Define vertical offset • Colour indication of Cut vs. Fill, same as Machine Control • Graphical coloured visualisation of cut/fill areas • Several terrain models usable in parallel • Select reference line as visual guidance 	-	-	●
Volumes includes: <ul style="list-style-type: none"> • Create surfaces in the field • Edit surfaces in the field • Stockpile calculation • Various volume calculations (to point, to elevation, to 2nd surface) • Apply compaction factor • Create brakelines for surface 	-	-	●
Slopes includes: <ul style="list-style-type: none"> • Create slopes on the fly • Display either as ratio, percent or degree • Graphical "cross-section" view • Support of vertical & horizontal "slopes" • Determination of daylight line 	-	-	●
Point List includes: <ul style="list-style-type: none"> • List view of points of active jobs • Search for points via ID, Code or elevation • Search for range • Define task lists • Edit, sort, create points 	●	-	●
Setup includes: <ul style="list-style-type: none"> • Control line setup • Setup anywhere • Setup over known point • Set orientation • Height Transfer • Over height benchmark • Get station coordinates from map, from GPS or enter manually • Setup Pilot (fully automatic free-station) 	●	-	●
Coordinate system: <ul style="list-style-type: none"> • Small area, large area, 3D transformation • All common projections • View Scale factor and set Scale factor to 1.0 • GNSS Height Transfer 	●	●	●
MC Calibration: <ul style="list-style-type: none"> • Unified way to calibrate an excavator • Unified way to calibrate a wheel loader • View calibration values for transfer to Machine Control software 	-	-	●
Others: <ul style="list-style-type: none"> • User Levels • Multiview • Custom measure bar • Custom info panel • Favourites • Setup within apps • "Save as ... " function. User defined names 	-	●	●

	iCON build	iCON site entry	iCON site
Data import: ASCII, DXF, HeXML	●	●	●
Data export: Custom ASCII (e.g. CSV, TXT), DXF, GSI, GEO, HeXML	●	●	●

● All options and functionality available

- Not available

19.4 Optional Apps (not part of iCON site or iCON build)

<p>Roading includes:</p> <ul style="list-style-type: none"> • Support of alignment and stringlines files • Import HeXML stringline data from 3rd party CAD and design packages • Use same data on the machine and in the field • Stakeout via cross-section view • Hold-Slope function • Stakeout at defined chainage / stationing with cross section • Layer selection for staking out • Create cross-sections within a defined range • Create corridor for Road model
<p>Surface Pilot includes:</p> <ul style="list-style-type: none"> • 3D vehicle in map views • Light bar indicators for cut/fill and offset deviations • Stakeout via long-section view
<p>Telematics includes:</p> <ul style="list-style-type: none"> • View and control screen remotely • Sync: Transfer data from and to the Office and Field • Track current location remotely

19.5 Apps and Functions included in iCON build plus / iCON site plus

	iCON build plus	iCON site entry upgrade	iCON site plus
<p>Apps:</p> <ul style="list-style-type: none"> • iCON app "Volumes" • iCON app "Stakeout" (Points & Polylines) • iCON app "Cut&Fill" • iCON app "Slopes" • iCON app "Checks" • iCON app "Sketch" (full) • iCON app "Control Line" • iCON app "Layout Lines" (Parallels & Perpendiculars) • iCON app "Checks" • iCON app "MC Calibration" • iCON app "Slopes" 	<p>●</p> <p>●</p> <p>●</p> <p>●</p> <p>●</p> <p>-</p> <p>-</p> <p>-</p> <p>-</p> <p>-</p> <p>-</p> <p>●</p> <p>●</p> <p>●</p> <p>●</p>	<p>●</p> <p>●</p> <p>●</p> <p>●</p> <p>-</p> <p>-</p> <p>-</p> <p>-</p> <p>-</p> <p>-</p> <p>-</p> <p>-</p> <p>-</p> <p>-</p> <p>-</p>	<p>-</p> <p>-</p> <p>-</p> <p>-</p> <p>●</p> <p>●</p> <p>●</p> <p>●</p> <p>●</p> <p>●</p> <p>●</p> <p>●</p> <p>●</p> <p>●</p> <p>●</p> <p>●</p> <p>●</p> <p>●</p> <p>●</p>
<p>Functionality:</p> <ul style="list-style-type: none"> • Custom info panel • HotSwap Button for MC • Favourites • Set Orientation • Station number in Setup • Point Pilot • Bay Windows (incl. rotate & align) • Patterns (incl. rotate & align) • Trace (incl. rotate & align) • WLAN support • Height Transfer 	<p>●</p> <p>●</p> <p>●</p> <p>●</p> <p>●</p> <p>-</p> <p>-</p> <p>-</p> <p>-</p> <p>-</p> <p>-</p> <p>-</p> <p>-</p>	<p>-</p> <p>-</p> <p>-</p> <p>-</p> <p>-</p> <p>-</p> <p>-</p> <p>-</p> <p>-</p> <p>-</p> <p>-</p> <p>-</p>	<p>-</p> <p>-</p> <p>-</p> <p>-</p> <p>-</p> <p>●</p> <p>●</p> <p>●</p> <p>●</p> <p>●</p> <p>●</p> <p>●</p> <p>●</p>

● All options and functionality available

- Not available

Accessories for Remote Control

20 Accessories for CC55 iCON Controller

20.1 HW Options for CC55 iCON Controller



790 047	CCD3	Long-range Bluetooth Cap for CC55.
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20.2 Accessories for CC55 iCON Controller



793 159	CCD5	USB Stick Adaptor for CC55.
796 682	CCD10	RS232 DB9 Adapter.
793 160	CBA1	Battery for CC55.
793 161	CBC1	Charger for separate CC55 battery.
793 162	CBC2	Vehicle Charger for CC55.
793 163	CA8	LCD Protection UV Film for CC55.

20.3 Pole Mounts for CC55 iCON Controller



793 164	CMB1	Pole Clamp for CC55.
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21 CC6x iCON Controller and Accessories

21.1 HW Options for CC60 iCON Controller

793 158	CCD4	Long-range Bluetooth Upgrade Kit for CC60.
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21.2 Accessories for CC6x iCON Controller



785 413	ALG7-08B	Lithium Polymer battery for tablet computer e.g. CC6x, 5.2 Ah, chargeable.
785 414	HH-12V	DC-12V Car charger for tablet computer e.g. CC6x. Can be used to power and charge the CC6x directly from a cigarette lighter.
785 415	GDZ70	Pen with screw-driver and string for CC6x.
785 416	ALG7-10A	Charger for Li-Polymer batteries ALG7-08B, AC/DC adapter ALG7-13A not included.
785 417	ALG7-13A	AC/DC-adapter EU, AUS, US and UK, for power supply CC6x and charging the plugged-in batteries ALG7-08B.
785 418	SPF07	Anti-glare display foils for CC6x.





21.3 Pole Mounts for CC6x iCON Controller




793 165	CMB2	C-shape Pole/Vehicle Mount for CC6x with ball double socket arm and ball mount.
795 492	CMB5	Pole Clamp for CMB2 bracket for CC6x.
784 918	GHT72	Pole holder and arrangement for attaching tablet computer, incl. hook for tripod mounting.

22 Accessories for CC80 Tablet PC

22.1 Accessories


	General Accessories		
	833 213	CA32	Hand strap for CC80 Tablet PC.
	833 222	CA33	Stylus for CC80 Tablet PC.
	832 122	GHT77	Tether for CA33 Stylus for CC80 Tablet PC.
	833 223	CA34	Display protection foil for CC80 Tablet PC, including iCON branding.
	834 384	CBC13	Docking station for CC80 Tablet PC and CBA2 Li-Ion battery. AC/DC Adapter not included (use AC/DC adaptor CBC3, CBC4, CBC5, CBC6, CBC7 or CBC10).
	Battery Pack and Charger		
	833 220	CBA2	Li-Ion battery pack 7.2 V / 7.1 Ah for CC80 Tablet PC, chargeable, for extended battery life.
	833 221	CBC9	4-bay charger for CBA2 Li-Ion battery pack. AC/DC adaptor not included (use AC/DC adaptor CBC12.)
	Power Adaptors		
	833 214	CBC3	AC/DC adaptor (EU) for CC80 Tablet PC.
	833 215	CBC4	AC/DC adaptor (UK) for CC80 Tablet PC.
	833 216	CBC5	AC/DC adaptor (US) for CC80 Tablet PC.
	833 217	CBC6	AC/DC adaptor (AUS) for CC80 Tablet PC.
	833 218	CBC7	AC/DC adaptor (CH) for CC80 Tablet PC.
	833 235	CBC10	AC/DC adaptor (JP) for CC80 Tablet PC.
	834 378	CBC12	AC/DC adaptor for CBC9 4-bay charger.
833 219	CBC8	Vehicle adaptor and charger 12-32 VDC for CC80 Tablet PC. Can be used to power and charge the CC80 directly from a cigarette lighter socket.	

22.2 Holder and Clamps


	833 211	CMB10	Tablet holder for CC80 Tablet PC. Can be attached to a pole with a GHT63 Pole clamp (not included) or used in a vehicle with a CMB11 Vehicle Adaptor Kit (not included).
	767 880	GHT63	Pole clamp for CMB10 Tablet holder.
	833 212	CMB11	Vehicle adapt kit for mounting a CMB10 Tablet holder for CC80 Tablet PC into a vehicle. GHT63 clamp and CMB10 tablet holder not included.
	6010273		Vehicle holder package for CC80 Tablet PC, consisting of GHT63 Pole clamp and CMB11 Vehicle adapt kit.

23 Remote Control for Total Stations

23.1 TCPS29/TCPS30 Modems

	TCPS29		
	788 854	TCPS29	Bluetooth radio modem with antenna and user manual. Used as external radio modem for TS total stations or PC. (frequency range 2402 - 2480MHz).
	793 111	TCPS29-S	Rugged long-range Bluetooth Module with Status LEDs, Cannon ITT connector and mounting bracket.
TCPS30			
818 469	TCPS30	Bluetooth radio modem with antenna and user manual for the EU market.	

23.2 TCPS Accessories

	734 163	GHT43	Adapter for mounting TCPS radio module on GST20/GST120 tripod.
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Care Packages

24 Customer Care Packages



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.

Trademarks & Technical Data

25 Trademarks

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SD is a trademark of the SD Card Association.
Other trademarks and trade names are those of their respective owners.

26 Technical Data

Distance meter (Prism), ATR and PowerSearch:

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

Laser plummet:

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

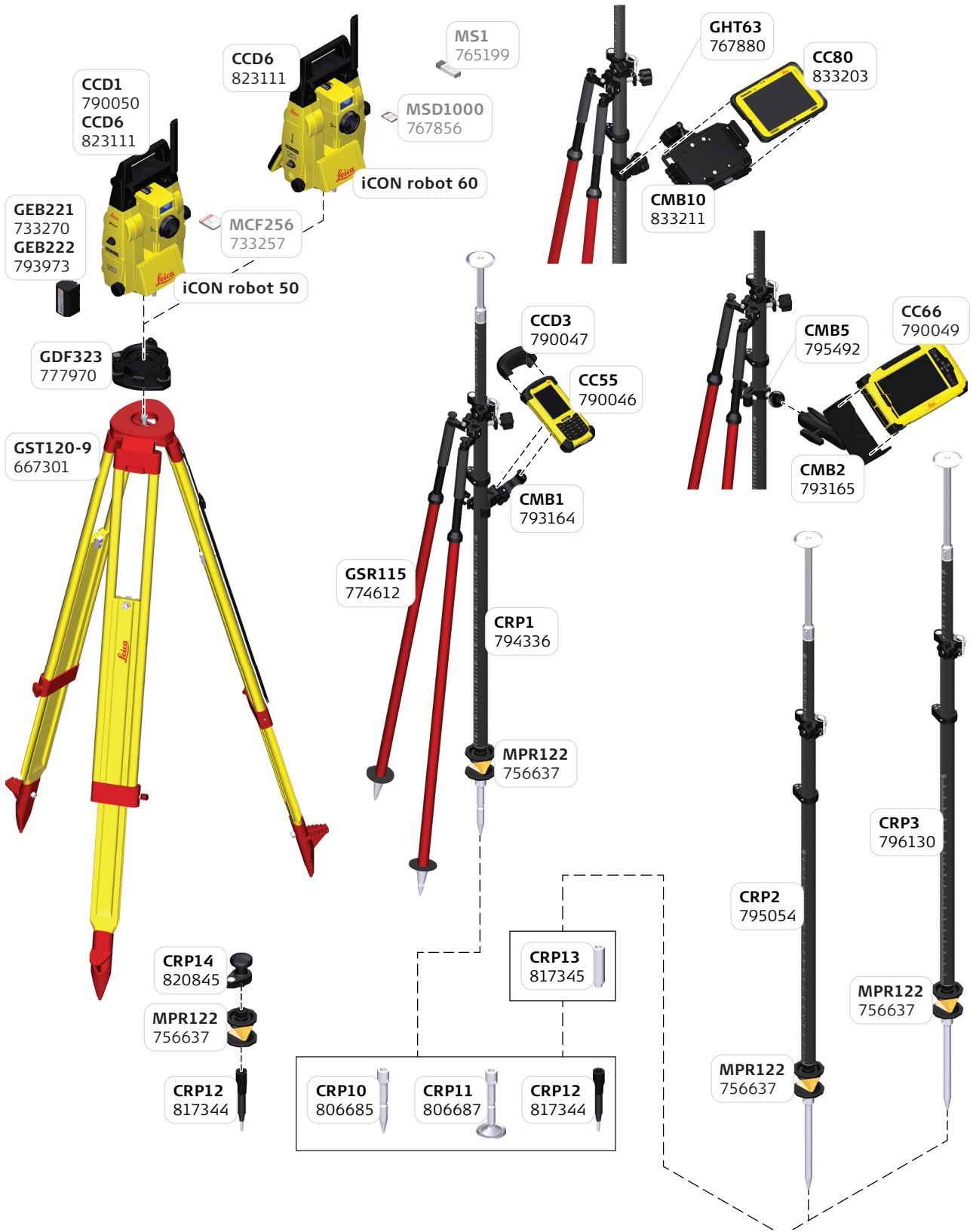
Distance meter (Non-Prism):

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

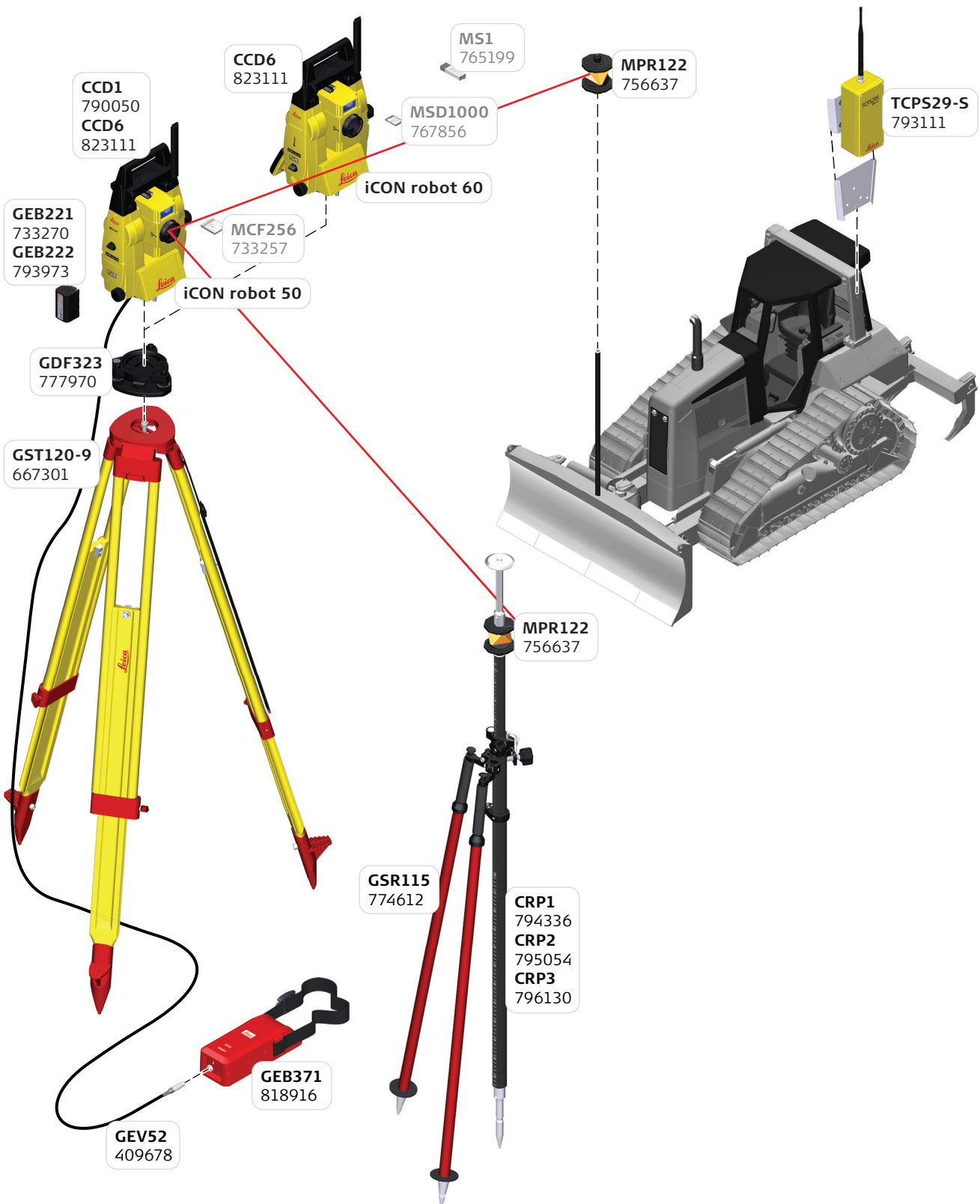


Suggested Equipment Setups

27 One-person robotic application



28 Machine control application



29 Two-person manual Total Station application



Leica Geosystems intelligent CONstruction.

Whether you construct buildings, roads, bridges or tunnels, you benefit from intelligent CONstruction. Leica iCON is more than a new product line or software package, it enables you to enhance your performance and increase your profitability through perfecting your construction workflow.

Understanding construction demands outstanding solutions:

- Custom-built
- Complete
- Straightforward
- High performance

When it has to be right.

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