



INNOVATIVE SOLUTIONS FOR MEASURING AND JOBSITE LAYOUT

Robotic total stations POS 180 / POS 150

Layout System PLT 300

Mechanical total stations POS 18



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JOBSITE LAYOUT MADE EASY

PL System PLT 300 / PLC 300

Applications

- Full jobsite layout using 2D and 3D CAD data
- Layout of building lines with station and offset
- Point layout using CAD data
- As-built measurements
- Measuring existing jobsite features
- Arc layouts

Advantages

- **One-person** layout and measuring
- **Automatic tilt compensation** — no levelling required!
- **Automatic stationing** for quick and easy daily setup
- **Green beam laser** for highly visible point layout in bright sunlight
- **Integrated with BIM objects** for Hilti consumables
- **Easy** user guided interface



Performance data PLT 300

Measurement Accuracy	1/8" @ 150' (3mm @ 50m) (ISO 17123-5)
Distance Measurement	Prism + reflectorless
Measurement range	5 ft - 300 ft (1.5m - 100m)
Angular working range	HZ: 360° V: 225°
Laser Class EDM	Class II Green

Performance data PLC 300

Operating system	Android 4.4.4
CPU	Intel® Celeron® N2930 • 1.83 GHz up to 2.16 GHz • 2MB cache
Storage	2GB SDRAM 32GB eMMC
Display	7" WXGA 1280 x 800 5-point capacitive multi touch
Environmental Rating	IP 65 MIL-STD-810G, 5' Drop



ACCURACY AT THE NEXT LEVEL

Robotic Total Stations POS 150 / 180

Applications

- 2D and 3D layouts: Outdoors on the ground or on facades, indoors on floors, ceilings or walls
- Checking positions on plans
- Measurements for drawing up building plans

Advantages

- **Efficient:** one person layout with prism or laser point
- **Simple:** Intuitive operation and easy to use
- **Reliable:** Hilti quality and service / support
- **Accurate:** Distance measurement with pinpoint accuracy, data saved at the touch of a button
- **Robust:** Perfectly suited for rough jobsite conditions
- **Fast:** Considerable time and manpower savings vs. traditional methods for all jobsite layout needs
- **BIM* compatible:** Building plans with BIM object descriptions on the screen at the touch of a button



Performance data POS 150 / 180

Angle accuracy	3" / 5"
Distance measurement	Prism + Reflectorless
Range	9,843 ft (3,000 m)
Target tracking range	984 - 2625 ft (300 - 800 m)
Laser Class EDM	3R

Performance data POC 200

Processor	Intel® Atom 1.6 GHz processor
RAM	4 GB DDR3 DRAM
Storage	64 GB solid state drive
Display	Enhanced direct sunlight readable color display. Multi-touch capacitive touchscreen
Protection	Rugged design certified to IP65 and MIL-STD-810G
Connections	WiFi, Bluetooth, Cirronet



RIGHT ON POINT

Mechanical Total Stations POS 18

Applications

- Laying out positions and levels for excavations, formwork and fastening points on floors and ceilings
- Transferring control lines and points vertically over several floor levels
- As-built measurement of points, direct area measurement and planning
- Levelling and aligning beams, columns, walls, baseplates

Advantages




















- **Accurate:** Measures distances to surfaces without need for reflectors
- **Practical:** Guide light for the rod man for easy self-alignment during layout work
- **Simple user interface:** Clearly legible screen, easy-to-follow graphics, intuitive guidance through measuring tasks, touch screen with large symbols
- **Plans stored in the tool:** Unique, direct on-screen selection of layout points












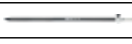




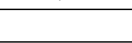















Performance data POS 18

Angle accuracy	3"
Distance measurement	Prism + Reflectorless
Range	59 in - 1115 ft (1.5 m - 340 m)
Target tracking range	-
Laser Class EDM	3R

CHOOSE THE TOOL THAT IS RIGHT FOR YOU

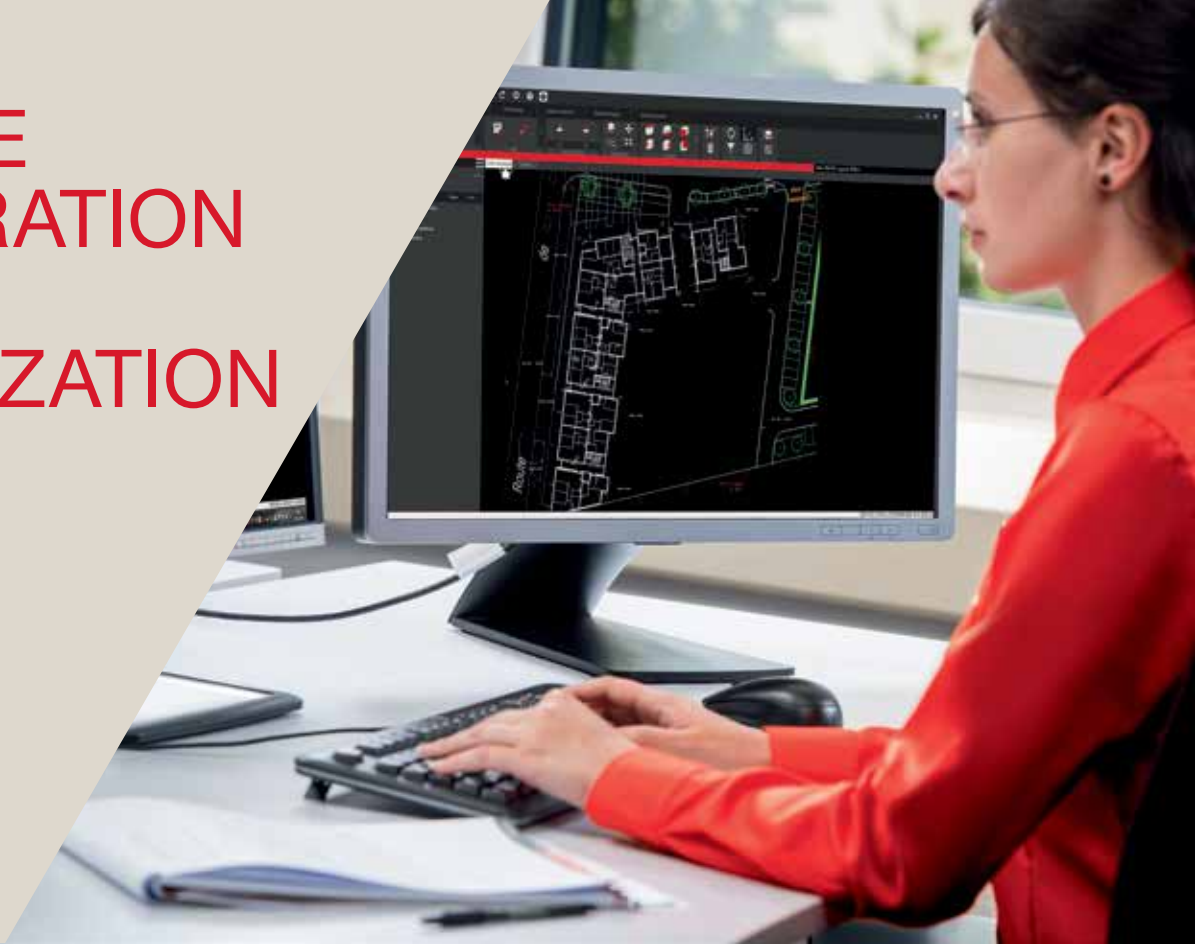
		PLT 300 Pro	PLT 300 Basic	Item number	
Standard Kit	Order Designation				
	PLT 300 Pro System		■	3540597	
	PLT 300 Basic System			3540596	
	Controller PLC 300		■	2115931	
	Battery pack B 22/2.6		■	2136395	
	Battery charger 4/36-90		■	2015764	
	Frame clamp POA 79		■	2115936	
	Bipod POA 75		■	2077857	
	Reflector rod POA 52		■	2042048	
	Prism POA 25		■	2115937	
	Reflector rod POAW 50 adaptor		■	2126237	
	Target plate POA 26 round		■	2115938	
	Tripod PUA 36		■	2048717	
	Applications	Data Manager	■	■	
Horizontal Layout		■	■		
As-built		■	■		
Measure & Record		■			
Line Transfer		■			
Line Layout		■			
Missing Line		■			
Height Transfer		■			
Mathematics	■				
Recommended Accessories	Layout stand POA 56		■	3547135	
	360 Prism POA 20		■	2042043	
Software and Services	PROFIS Layout Office PRO		■	2117533	
	Point Creator AutoCAD		■	2068307	
	Point Creator Revit		■	2068308	
	PROFIS Field Points AutoCAD		■	2148413	
	PROFIS Field Points Revit		■	2148415	
	PROFIS Layout Field Pro subscription			■	2122940
	Measuring Training 1 Day		■	■	3524135

CHOOSE THE TOOL THAT IS RIGHT FOR YOU

		POS 18	POS 150	POS 180	Item number	
Standard Kit	Order Designation					
	Total station POS 150 System (5" accuracy) 		■		3524133	
	Total station POS 180 System (3" accuracy) 			■	3524134	
	Total station POS 18 System (3" accuracy) 	■			3489164	
	Controller POC 200 		■	■	2103085	
	AC adaptor POA 81 	■			435297	
	Battery charger set POA 87 			■	2042317	
	Battery POA 80 	■			435296	
	Battery charger POA 82 	■			435298	
	Battery POA 84 			■	2042314	
	Bipod POA 75 		■	■	2077857	
	Prism POA 20 			■	2042043	
	Reflector rod POA 52 			■	2042048	
	Reflector rod POA 54 			■	2042300	
	Tripod PUA 35 	■			428683	
	Tripod PUA 36 			■	2048717	
	Battery charger POA 89 			■	2103088	
	Battery POA 90 set 			■	2103087	
	Frame clamp POA 73 			■	2103186	
	Stylus pen + Tether POW 94 		■	■	2103180	
	Antenna POW 93 		■	■	2103089	
	Recommended Accessories	Prism POA 24 set 		■	■	2042047
		Center punch POAW 46 			■	2042329
Prism POA 22 		■	■	■	2042045	
Prism POA 23 		■	■	■	2042046	
Wall mount POA 74 				■	2044040	
Wall mount ratchet POAW 54 				■	2042309	
Layout stand POA 56 				■	3547135	
Software and Services	PROFIS Layout Office PRO 	■	■	■	2117533	
	Point Creator AutoCAD 	■	■	■	2068307	
	Point Creator Revit 	■	■	■	2068308	
	PROFIS Field Points AutoCAD	■	■	■	2148413	
	PROFIS Field Points Revit	■	■	■	2148415	
	Measuring Training 1 Day	■	■	■	3524135	



JOBSITE PREPARATION AND VISUALIZATION



PROFIS LAYOUT OFFICE

Applications

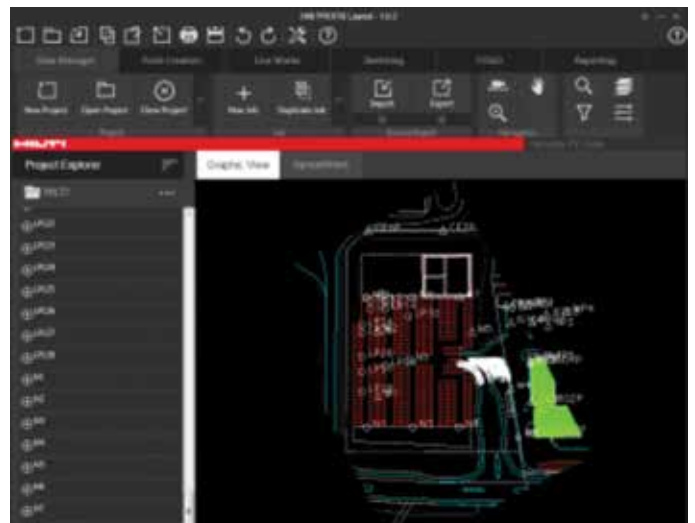
- Easily create a digital replica of your construction projects
- Office solution to prepare and evaluate your data for and from the field
- Perform distance, angle, area or down-and-out computations
- Create your layout points from CAD files, upload them to the Hilti for onboard layout
- No need to learn a complex engineering CAD program

Advantages

- **CAD import:** Import AutoCAD DWG and DXF files for creating layout points
- **Graphical user interface:** Provides direct access to common functions for a shorter learning curve and minimal self-training
- **Standard view controls:** offers a common user interface designed for anyone with a limited understanding of CAD for fast, easy operation
- **Point Creation:** Multiple point selection in Individual, Window, or Current view point selection together with Layers for maximum control to select points
- **Enter plans:** on the spot and perform COGO (coordinate geometry) functionality in the office
- **Field to Finish:** Easily create CAD-ready deliverables directly from survey data

PROFIS Layout Office requirements

Operating System	Windows 7 or Later
Computer Processor	64-bit quad core CPU
Computer Memory	8 GB RAM
Screen Resolution	920 x 1080 pixels
Graphics Card	OpenGL-compatible graphics card with > 1 GB
Max file size	60 MB
Max no. of points	50000



HILTI SOFTWARE AND SERVICE SOLUTIONS



AUTOCAD AND REVIT POINT CREATION AND INTEGRATION

Applications

- Designed for contractors and engineers who need the ability to easily create 2D and 3D field points within their preferred design programs
- Auto-insert their field layout points for use with Hilti's best-in-class construction positioning and layout systems for easy stake-out in the field

Advantages

- **Seamless point creation:** Create layout, control and automatic points directly into jobsite files
- **Easily import and export data:** Users are able to import and export data directly through AutoCAD or Revit
- **Reporting:** Users have the ability to review point layout status
- **Simple:** Easy installation and user friendly interface allow short learning curve

HILTI TRAINING AND SUPPORT

- **Industry leading local expertise:** Software and hands on training, both onsite and in office
- **Face to face training:** Local specialists are available across North America for support and training
- **Shortened learning curve:** Continued onsite support directly from a Hilti Specialist allows for fast ramp up and increased productivity
- **Dedicated back-office support:** Users have access to software and digital file support through Hilti's technical experts
- **Dedicated email and phone:** Users have direct access to E-mail support at USTeamMeasuringSupport@hilti.com or call 972-403-2590