

# Leica Viva Controller CS10 & CS15 Datasheet



IP67

## Built for the field

Designed for extreme environments, you can always rely on your CS10 & CS15. Comfortable in the hand, and easy-to-use for all tasks.

- IP67 and operating temperature -30 to 60° C
- Tactile, fully illuminated, rubber keypad (numeric on CS10, alphanumeric QWERTY on CS15)
- 2 Megapixel camera (perfectly placed for taking pictures when in hand or mounted on pole)
- Color, VGA touch screen, illuminated



## Flexible communication and data handling

Stay connected with a wide range of communication and data storage options. Your CS10 & CS15 is ready for all challenges.

- Fully integrated wireless Intenna technology (*Bluetooth*<sup>®</sup>, WLAN, TPS Radio)
- Choice of 2 connector modules
  - Lemo module:** Lemo (USB and serial), USB A host, 7-pin connector, power
  - RS232 module:** RS232, USB A host, USB mini AB OTG, 7-pin connector, power
- Data storage using SD Card, CF Card, USB memory stick



## Work how you like

Designed as part of the Leica Viva series, but versatile to work with many instrument and software combinations.

- Ideal for use with all Leica Viva Series Total Stations and GNSS sensors
- Perfectly designed to be used with SmartWorx Viva surveying software
- Powerful ARM core processor for many software applications

- when it has to be **right**

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# Technical Specifications

CS15 and CS10 Hardware Specifications		CS10	CS15	
<b>General</b>				
Operating system	Windows CE 6.0	•	•	
Processor	Freescale i.MX31 533 MHz ARM Core	•	•	
Dimensions (L x W x D)	CS15: 245 x 125 x 45 mm CS10: 200 x 102 x 45 mm	•	•	
Weight <sup>1</sup>		560 g	710 g	
<b>Memory, Ports &amp; Communication</b>				
System memory	512 MB DDR SDRAM	•	•	
Flash storage memory	1 GB (nonvolatile NAND Flash)	•	•	
Interfaces	SD card slot (SDIO) CF Type I / II card slot 5-pin custom connector (USB)	• • •	• • •	
Communication modules	Lemo module: Lemo (USB and serial), USB A host, 7-pin connector, power RS232 module: RS232, USB A host, USB mini AB OTG, 7-pin connector, power	•	•	
Integrated wireless connectivity	Bluetooth® 2.0 Class 2 Wireless LAN 802.11b/g (option) Integrated 2.4 GHz FHSS total station radio with fully integrated internal antenna (option)	•	•	
<b>Interface</b>				
Display	640 x 480 pixel (VGA) color TFT with LED backlight and touch screen	portrait	landscape	
Keypad	Rubber, tactile keypad, fully illuminated	26 keys, numeric	65 keys, QWERTY including 12 function keys	
	No. of keys		26	65
	QWERTY			•
	Numeric		•	•
	Function keys		12	
Audio	Integrated sealed speaker and microphone Bluetooth® audio headset support	•	•	
Camera	Integrated 2MP fixed focus camera	•	•	
<b>Power Management</b>				
Power	Nominal 12 V DC Range 10.5 – 28 V DC	•	•	
Battery	GEB212 (7.4 V / 2600 mAh Li-Ion rechargeable), removable	•	•	
Battery life <sup>2</sup>	10 hours	•	•	
Battery charging	2 hours	•	•	
<b>Environmental Specifications</b>				
Temperature	Operation: -30 to 60° C Storage: -40 to 80° C	•	•	
Dust and Water	IP67 (IEC 60529)	•	•	
Humidity	100% condensing (MIL-STD-810F, Method 507.4-1)	•	•	
Drop <sup>3</sup>	1.2 m	•	•	
Vibration	MIL-STD-810F, Method 514.5-Cat24	•	•	
<b>Software</b>				
Application Software	Viva Controller runs Leica SmartWorx Viva and SmartWorx Viva LT. In addition, a number of regional solutions are available. For more information on the field software that's best for you, contact your local Leica authorized distribution partner.	•	•	
Standard Software	Internet Explorer Mobile, File Explorer, Word Mobile, Microsoft Windows Media™ Player, Camera Software, Online Help	•	•	
<b>Accessories</b>				
	100 – 240 V AC power supply for all regions	•	•	
	Stylus	•	•	
	2 x anti-glare display foils	•	•	
	Documentation CD	•	•	
	Docking station	○	○	
	12 V DC vehicle charger	○	○	
	Additional cables	○	○	
	Hand strap	○	○	
	Pole holder set	○	○	
	Soft bag	○	○	

<sup>1</sup> without battery 110g

<sup>2</sup> room temperature, depending on use of embedded devices

<sup>3</sup> onto plywood over concrete

• = Standard

○ = Optional



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