

# 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  $-30^{\circ}\text{C}$  to  $60^{\circ}\text{C}$
- Tactile, 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, GSM/UMTS 3.5G)
- 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>Ergonomic and cable-free GNSS Handheld</b>			
Operating System	Windows CE 6.0	•	•
Display	8.9 cm (3.5 in) 640 x 480 pixel (VGA) colour TFT, touch screen, sunlight-readable, LED backlight	portrait	landscape
Camera	Integrated 2MP fixed focus camera	•	•
I/O	SD slot (SDIO), CF Type I / II slot, 5-pin custom connector (USB) RS232 module: RS232, USB A Host, USB Mini AB OTG, 7-pin connector, Power Lemo module: Lemo (USB and serial), USB A Host, 7-pin connector, Power	• ○ ○	• • ○
Interface	Touch screen, Ergonomic cable-free Handheld with keyboard, virtual keyboard	Numeric 26 keys	QWERTY 65 keys
Processor	Freescall i.MX31 533 MHz ARM Core	•	•
Memory	512 MB DDR SDRAM	•	•
Storage	1 GB (non-volatile NAND Flash)	•	•
Audio	Integrated sealed speaker and microphone Bluetooth® audio headset support	• •	• •
LEDs	Battery and Bluetooth® status LED	•	•
Wireless connectivity	Bluetooth® 2.0 Class 2 Wireless LAN 802.11b/g Integrated 2.4 GHz FHSS total station radio with fully integrated internal antenna Integrated GSM/UMTS 3.5G module with fully integrated internal antenna	• ○ ○ ○	• ○ ○ ○
<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>Power Management</b>			
Removable Battery	GEB212 (7.4 V / 2600 mAh Li-Ion rechargeable)	•	•
Battery Charging Time	2 hours	•	•
Power	Nominal 12 V DC Range 10.5 – 28 V DC	•	•
Operating Time	10 hours (depending on use of embedded devices)	•	•
<b>Dimensions and Weight</b>			
Size	CS10: 200 mm / 102 mm / 45 mm (7.87 in / 4.01 in / 1.77 in) CS15: 245 mm / 125 mm / 45 mm (9.65 in / 4.92 in / 1.77 in)	•	•
Weight <sup>1</sup>	CS10: 0.56 kg (1.23 lbs) CS15: 0.71 kg (1.57 lbs)	•	•
<b>Environmental Specifications</b>			
Operating / Storage temperature range	Operation: -30 to 60° C (-22 to 140° F), Storage: -40 to 80° C (-40 to 176° F)	•	•
Dust and Water / Humidity	IP67 (IEC 60529) / 100% non-condensing (MIL-STD-810F, Method 507.4-1)	•	•
Drop / Vibration	1.2 m (4 ft) <sup>2</sup> / MIL-STD-810F, Method 514.5 – Cat24	•	•
<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> onto plywood over concrete

• = Standard  
○ = Optional



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