

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°C to 60°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*[®], 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**

Leica
Geosystems

Technical Specifications

| CS15 and CS10 Hardware Specifications | | CS10 | CS15 |
|---|---|--------------------|-------------------|
| Ergonomic and cable-free GNSS Handheld | | | |
| 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 | • ○ ○ ○ | • ○ ○ ○ |
| Software | | | |
| 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 | • | • |
| Power Management | | | |
| 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) | • | • |
| Dimensions and Weight | | | |
| 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 ¹ | CS10: 0.56 kg (1.23 lbs) CS15: 0.71 kg (1.57 lbs) | • | • |
| Environmental Specifications | | | |
| 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) ² / MIL-STD-810F, Method 514.5 – Cat24 | • | • |
| Accessories | | | |
| 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 | | ○ | ○ |

¹ without battery 110g

² onto plywood over concrete

• = Standard

○ = Optional



Total Quality Management – our commitment to total customer satisfaction.

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