

ALLEGRO QX FIELD COMPUTER

DATASHEET

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COMPUTER

When facing a long day of close interval, DCVG or periodic surveys, the Allegro QX field computer is the one instrument you want to have. With an integrated camera, glare-resistant color display, high-performance battery, and a tactile QWERTY keyboard that makes it easy to enter data, the Allegro QX has everything you need to assess facilities, leaks, atmospheric corrosion and valves.



Features include

- **An integrated DVM** that delivers accuracy of 0.25 percent when reading DC voltage – even in the presence of up to 100 volts of AC interference – and a highly-accurate, WAAS-enabled internal GPS.
- **A QWERTY keyboard** and full number pad.
- An integrated camera that allows you to instantly add atmospheric inspection photos to your inspection record.
- **A color VGA display** with a resolution that's four times better than previous models and is easy to read, even in direct sunlight.
- **The option to couple the Allegro QX** with RFID technology to make site visits 100 percent verifiable.
- **A quick-charging lithium-ion battery** that will last for up to fourteen hours of nonstop surveying.



Why Choose the Allegro QX?

- **Add pictures and log data faster** – The Allegro QX speeds data collection with full PCS integration and an internal GPS that can automatically record survey latitude and longitude. You can also use the integrated camera to take time-stamped, high-resolution photos and instantly embed them in your PCS inspection record.

- **It's designed for oil and gas compliance** – The Allegro QX supports common survey types and presents data graphically through live waveforms and more.

- **It's easy to use** – The QWERTY keyboard and full number pad ease data entry, the large display is easy to view in all lighting conditions, and the internal WAAS-enabled GPS antenna provides coordinates quickly and accurately.

- **It's fully integrated** – Features include full integration with PCS along with a DVM, an internal GPS, and software that can conduct synchronized, interrupted surveys.

- **You can depend on it** – A single battery charge will last all day, even in nonstop survey conditions. Plus, you can pair it with RFID technology to improve data reliability.

- **It lets you log data faster** – The Allegro QX speeds data collection with full PCS integration and an internal GPS that can automatically record survey latitude and longitude. You can also use the integrated camera to take time-stamped, high-resolution photos and instantly embed them into your inspection record.



BAC[®]

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Environmental Specifications

Water and Dust Resistance: IP66 rating
Operating Temperature: 32oF to 131oF (0oC to 55oC)
Storage Temperature: -22oF to 158oF (-30oC to 70oC)
Shock Resistance: Resists shocks as specified by MIL-STD-810G Method 516.6

Software Specifications

Operating System: Microsoft Windows Embedded
Handheld 6.5.3

Mechanical and General Specifications

Size: 5.4 in x 10.2 in x 2.5 in
Weight: 2 lbs, 8 oz
Battery: Lithium-ion | 3.7 VDC @ 10,600 mAh | 38.7 Wh | Lasts up to 14 hours under continuous survey conditions | Charges in 2-4 hours
Display: 4.2 inch active-viewing area | TFT color VGA (640 x 480) | Projected capacitive touch interface | Scratch-resistant, chemically strengthened glass | High-visibility backlit LCD
Wireless: Bluetooth® 2.1, class 1.5, range 100 ft | Wi-Fi 802.11 b/g/n with extended range | 3G GSM (microSIM) pentaband worldwide (optional)
Sensors: Compass | X-Y level
Keyboard: Full numeric and QWERTY keypad | Adjustable key backlight
Camera: 5 megapixel with autofocus and video | LED illuminator (includes flashlight feature) | Photos tagged with time and date
GPS: High-sensitivity GPS and GLONASS receiver (u-blox) | SBAS accuracy: 2 m | Autonomous accuracy: 5 m | Internal antenna
Ports: RS-232C 9-pin D connector | USB host (full A) | USB client (micro B) | 12-24 VDC input | 3.5 mm audio jack | I/O docking port | 3-pin trigger (M8 female)
Certifications: MIL-STD-810G | FCC Class B | CE Marking | Industry Canada | EN60950 Safety

DVM Specifications

Working Voltage (DC): 250 V max. on primary input | 500 mV max. on shunt input*
Working Voltage (AC): 175 V max. on primary input | 350 mV max. on shunt input*
Input Impedance: 100 MΩ on primary input | 100 kΩ on shunt input*
Measurement Category: CAT II 250V

*This input has a range and impedance specially designed for measuring shunts more accurately. **Accuracy shown is for operation in temperatures from 15oC to 35oC. Annual calibration is required to maintain DVM accuracy



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