

CENESEX

23DMx-3 Ex Smart Multimeter

www.cenegexhazpro.com/product/23dmx-3/



An ATEX certified, app-controlled digital multimeter for Ex mobile devices

The 23DMx-3 uses Bluetooth BLE technology to seamlessly integrate with a tablet or smartphone using the NEXUS app bringing test and measurement to any mobile device and removing the need to have separate Test & Measurement tools that perform only one function.

The 23DMx-3 can be configured to capturing; Voltage, Current, Resistance or Temperature either in realtime when connected to a mobile device or configured as a standalone datalogger.

Stored data can be linked to a location using NFC, Barcode, QR Code, GPS or simple test along with a description of the data collected. All data can be analysed on your mobile device using the NEXUS app or transferred via .CSV file for integration into high level analysis software for Condition Based Monitoring.

Powered by a removable, rechargeable battery, 23DMx-3 app-controlled multimeter represents the next generation of hazardous area test and measurement solutions.

Key Features:

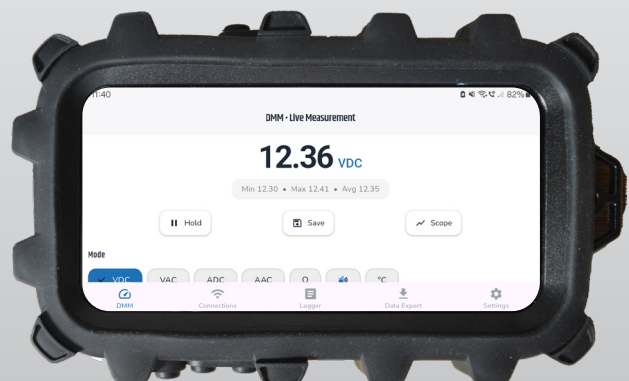
- ATEX Digital Multimeter for Smartphone/Tablet
- Live measurement and remote standalone logging modes
- Simple integration with Digital Field Worker devices using NEXUS App

Main Applications

- Intrinsically Safe Live Maintenance (IEC60079-17)
- Periodic Verification of Earthing, Grounding and Bonding (IEC60364-6)
- Measurement instrument testing (4-20mA)



iOS and Android



Specifications subject to change without notice

| ATEX | | |
|-------------------------------|--|-----------------|
| Zone | 2 | |
| Marking | Ex II 3 G Ex ic IIC T4 Gc | |
| Tamb | -10°C to +50°C | |
| Standards | IEC 60079-11: 2023 Ed 7.0 | |
| | IEC 60079-0:2017 | |
| Meter Data | | |
| Ingress Protection | IP54 | |
| Drop Withstand | 1 metre | |
| Category Rating | CAT 2 | |
| Warranty | Limited 2 year https://www.cenegexhazpro.com/testwarranty | |
| Calibration Cycle | Once per year, recommended | |
| Datalogging | | |
| Setup | NEXUS | |
| Onboard Memory | 32Gb | |
| Sample Frequency | 1s/10s/1m/1h | |
| Measurement Tagging* | GPS/QR Code/Barcode/NFC/Freeform | |
| Oscilloscope* | Live Plotting | |
| | Triggering (Level/Edge/Auto/Normal) | |
| Data Export* | .CSV (Email/Whatsapp/Text/Device Storage) | |
| Data Playback | On host device | |
| Electrical Measurement | | Accuracy |
| DC Voltage | ±150V | ±0.05% |
| AC Voltage | ±150V | ±0.5% |
| DC Current | ±5A | ±1% |
| AC Current | ±5A | ±1% |
| Resistance | 0-50MΩ | ±0.2% |
| Temperature | -200°C to +500°C | ±1% @ 10°C |
| Continuity | Audible | |
| Power | | |
| Battery Type | Removable, Rechargeable | |
| Battery Voltage | 7.4V | |
| Capacity | 6000mAh | |
| Environmental Data | | |
| Safe Operating Temperature | -20°C to +50°C | |
| Pollution degree | 2 | |
| EMC | EN61326-1 | |
| Connectivity | | |
| Wireless Technology | BLUETOOTH BLE | |
| Communication Protocol | NEXUS | |
| Bluetooth Range | 2m (6ft) | |

| Meter Physical Data | |
|---------------------|--|
| Weight | 186g excluding battery (battery weight 130g) |
| Dimensions | 114mm x 106mm x 51mm |
| Included in the box | 1x 23DMx-3 ATEX Smart Multimeter |
| | 1x Set of CAT2 Test Leads |
| | 1x Set K-type Thermocouple Leads |
| | 1x K-type Thermocouple Adaptor |
| | 1x 7.4V ATEX Rechargeable Battery |
| | 1x Charging Dock |
| | 1x Wall Power Supply |
| | 1x Carrying Pouch |
| | 1x CENEGEX Safe Operations Manual |
| | 1x CENEGEX Warranty Card |



Battery engaged



Battery unlocked



Battery removed



23DMx-3
Ex Smart Multimeter



Cat2 test leads

K-type Thermocouple
leads and adaptor