

STREET-DART

FOR TEST STATIONS

GROUND LEVEL REMOTE MONITORING

The power of a data-logger in your ground level RMU and the data analysis capability to provide you with:

- Flush mounted at ground level for urban and rural sites
- Inconspicuous to vandalism
- Actionable daily reports analyze data for you
- Off-potential and current density coupon readings
- Battery-powered
- Cellular and satellite communication
- Fits into existing flush test stations: ProMark®, Bingham & Taylor®, Buffalo® Box, etc.

Readings per Second are Summarized in Maximum, Minimum, Average values

READINGS

The G-Dart provides up to 10 different readings from 5 galvanically isolated dual terminals, enabling you to measure AC and DC values across a fully selectable range, including:

- Structure Potential (DC & AC)
- Coupon Instant-Off Potential
- Native Potential
- 100 mV Shift and Depolarization
- AC Readings for Monitoring AC Mitigation
- Current Density (AC & DC)
- Detection of Dynamic Stray Currents
- Bond Current Measurement

DAILY ANALYSIS REPORT

The daily summary report analyzes the per-second data, providing a summary that includes average, minimum, and maximum values along with the date and time of detection; mean square deviation; trend and variability; the total time out of threshold; and alarms.

DATALOGGING FREQUENCY: READINGS PER SECOND

Data is logged every second across all channels, storing up to 86,400 samples per day for 62 days, depending on enabled channels, with on-demand data transmission available.

UNDERGROUND VISIBILITY - WITHOUT THE HASSLE

The STREET DART gives you safe and convenient access to your most troublesome ground-level test stations. Once installed, it's out of sight; permits to take readings are unnecessary.

INSTANT-OFF COUPON READINGS CONFIGURABLE IN MILLISECONDS

The integrated solid-state switch allows for instant-off measurements every second, with interruption and measurement cycles configurable in milliseconds (compliant with SP0104 and ISO 22426).

FUTURE READY

Its modular design allows for field battery changes without removal.

WATERPROOF FOR UNDERGROUND CONDITIONS

The enclosure is designed and tested to be submerged in water with an IP68 rating. Its waterproof seal and connectors ensure reliable, uninterrupted remote readings even in sites prone to intermittent floods.

Remote Datalogging To Protect The Integrity Of Your Assets

The G-DART technology is a game-changing approach to RMUs by offering you:

- 1) High-frequency readings that were previously only available from data loggers.
- 2) Edge computing power to analyze the data directly in the field unit.
- 3) An intuitive algorithm that presents the information on your computer in a summarized, actionable report.

This efficient solution delivers to you the granularity of data that shows a real picture of the situation without overwhelming you in vast amounts of information, as it performs all the analysis automatically for you.

With its high-frequency sample rate and advanced analysis capabilities, G-DART provides:

- More comprehensive monitoring for High and Moderate Consequence Area sites (mega rule HCA and MCA).
- Improved understanding of interference at foreign crossings.
- Enhanced awareness of the need for AC Mitigation.
- True understanding of stray and telluric current issues.
- In-depth analysis of readings to better understand shared right-of-way concerns.



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An Integrated Solution For Greater Efficiency

WEB BASED PLATFORM -WEBPROCAT

The data collected from cathodic protection RMU/RDUs or manual readings are stored and managed in the WEBPROCAT portal. This versatile system is designed to enhance Cathodic Protection monitoring and analysis, providing everything from **actionable Management Summary** reports, or **daily status updates for technicians** to detailed graphics for **Cathodic Protection Specialists diagnosing/solving a complex problem**. It expands standard features such as analysis, time trends, graphical representation, maps, regulatory compliance, reporting, device configuration, remote control or rectifiers, synchronized interruption, data export, integration with third-party applications (SCADA, SAP, CARTOGRAPHY, ProActive®, Bass Trigon®, etc.), and more.

MODULAR DESIGN - EASY INSTALLATION

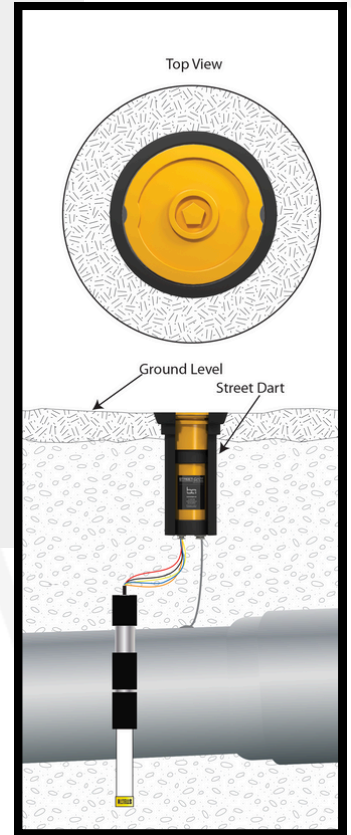
Easily fits into existing flush mounted test stations for quick installation, with accessible terminals for manual readings. Its modular design allows for battery changes in the field and maintain its seal for underground operation.

MAINTENANCE & DIAGNOSTICS

The device transmits diagnostic parameters (communication, battery, alarms, etc.) to optimize field work and allows for remote or manual firmware updates.

BLUETOOTH APP - FIDO UNIVERSAL

Field activities by the operator, including manual measurements, installation and maintenance, are recorded in the Fido Universal Bluetooth App and synced with the WebProCat platform.



COMMUNICATION

- Local: BLE with Fido Universal management software.
- Remote: 2G/3G/4G or Iridium Satellite

MECHANICAL SPECS

- Dimensions: 16.0 in L x 4.0 in diam, 40.1 cm L x 10.2 cm diam
- IP68
- Weight: 4 lbs, 1.8 Kg
- Operating temperature: -4 °F + + 185 °C
- Installation: Fits into existing flush mounted test stations: ProMark®, Bingham and Taylor®, Buffalo Box®, etc.

POWER SUPPLY

- Integrated long-life lithium battery (+5 years)

COMPLIANCE WITH STANDARDS

- ISO 15589-1, ISO 22426, ISO 18086, ISO 21857, ISO 22426
- EN 12954, EN 13509
- UNI 11094, UNI 10950, Linea Guida APCE
- NACE SP0169, TM0497, SP0104
- IEC 62443 (CYBERSECURITY)

CHANNEL SPECIFICATIONS

- 5 galvanically isolated channels
- Simultaneous AC/DC measurement on the same physical channel
- Selectable scale ranges ± 500 mV, ± 20 V, ± 50 V, ± 100 V - DC
- Measurement accuracy: 0.02% FS
- Instant OFF Potential in coupons configurable in milliseconds
- Over voltage protection 10/350 uS > 5KV.



Get In Touch



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