



MicroMax GPS350

APPLICATION

The MicroMax GPS350 is a portable, flexible, rugged, fully-programmable GPS synchronized current interrupter, designed specifically for cathodic protection (CP) surveys. The GPS350 helps operators ensure corrosion mitigation effectiveness and meet regulatory requirements. It is the smallest interrupter available with a built-in solid state relay, keypad, and LCD display and is designed to fit inside most rectifier cabinets.

Interruption for:

- Rectifiers
- Foreign bonds





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KEY BENEFITS

Portable: The GPS350 is the smallest interrupter available with a built-in relay, keypad, and LCD display. It is light weighing about 3 pounds, but rugged enough to withstand the harshest conditions.

Compact: The unit is small enough to fit inside many rectifier enclosures or magnetically clamp to the bottom, reducing the chances of vandalism and eliminating the need to chain it down to prevent theft.

Flexible: The GPS350 can interrupt either AC or DC, up to 60 A with on/off cycles of less than 4 seconds, and 80 A with cycles totalling 4 seconds or longer. Installation is easy as polarity is not a concern.

Complete isolation: The built-in relay is optically driven, ensuring that the Interrupter is isolated from high energy events such as lightning strikes.

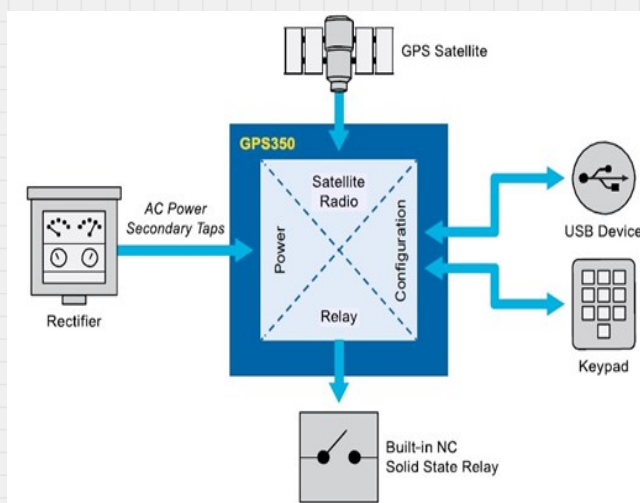
Transient voltage suppression: The GPS350 contains a unique voltage suppression technology that absorbs the inductive energy released during on/off switching and allows the relay to switch much higher currents than previously available.

Interference mode: Synchronously interrupts specific groups of rectifiers to determine the influence of each rectifier on the structure under test. The GPS350 provides interference mode for close interval, depolarization and DCVG surveys with configurable off, on, and delay settings.

The MicroMax GPS350 is a portable, flexible, rugged, fully programmable GPS synchronized current interrupter that is designed specifically for cathodic protection (CP) surveys.

The GPS350 helps operators ensure corrosion mitigation effectiveness and meet regulatory requirements. It is the smallest interrupter available with a built-in relay, keypad, and LCD display and is designed to fit inside most rectifier cabinets. The built-in relay can interrupt AC or DC up to 60 A with on/off cycles of less than 4 seconds, 80 A with cycles totalling 4 seconds or longer, is solid state, and normally closed. The GPS350 is programmed using the embedded keypad or with a PC via USB. It operates in continuous, daily, dated, and interference modes to fit any interruption schedule. The device can be powered from an AC or DC source for quick installation and reliable operation.

GPS System Diagram





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Specifications

Input power: 10 - 60 V DC or 8 - 42 V AC

GPS synchronization: Yes

Interruption cycle

Range: 0.1 - 999.9 s

Increments: 100 ms

Auxiliary relay drive capacity: 0.5 A

Number of programmable schedules: 9

Start phase: ON / OFF

Enclosure: Fully waterproof case with transparent cover

Display: LCD

Operating temperature: -30 °C to +70 °C (LCD visible from -20°C to +60°C)

Weight: 3 lbs. 1 oz. (1.39 kg)

Dimensions: 6.0" x 4.5" x 4" (with magnets attached)

Built-in relay specifications

Load current: 0-80 A AC or DC Max, \geq 4 s on/off cycle

0-60 A AC or DC Max, $<$ 4 s on/off cycle

Load voltage: 100 V Peak DC

70 V Peak AC

Type: Normally Closed, Solid State



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FOR MORE INFORMATION

Services

- Expect excellent service from our remote monitoring technical services team
- Technical support is provided by NACE certified professionals via phone and email
- Approximately 98 times out of 100, a highly-qualified professional will answer your very first phone call and handle your questions. No call backs, no phone tag
- We set you up for success with product training, offered at your place of business or our Grantham office

Contact

For further information, contact sales@cathodic.co.uk or call +44 (0)1476 590666

In the US, email us at remote_monitoring_sales@aiworldwide.com or call us at 800-229-3404 or visit us online at aiworldwide.com for further resources:

[MicroMax GPS350 Interrupter](#)

[Installation and Configuration Quick](#)

[Reference Guide](#)

[MicroMax GPS300 Interrupter](#)

[Installation and Configuration Guide](#)

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