

MicroMax GPS350



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 solid state relay, keypad, and LCD display and is designed to fit inside most rectifier cabinets.

Interruption for:

- Rectifiers
- Foreign bonds

MicroMax GPS350

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.

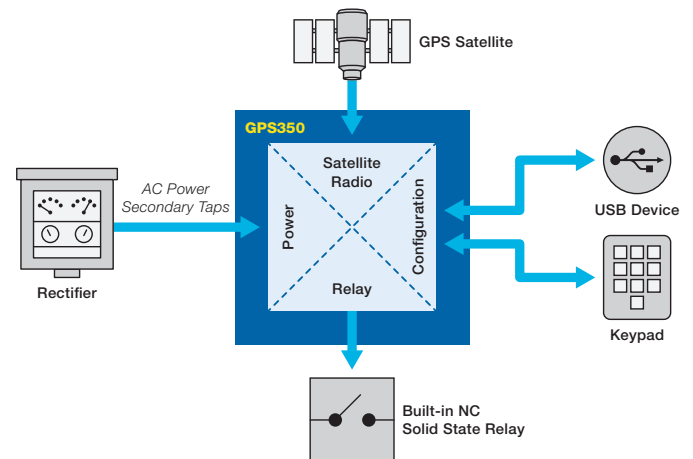
Transient Voltage Suppression

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.



GPS350 System Diagram

MicroMax GPS350 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	
See-through cover	
Display:	LCD display
Operating Temperature:	-30 °C to +70 °C (LCD visible from -20 °C to +60 °C)
Weight:	3 lbs. 1 oz. (1.39 kg)
Dimensions:	8.0" x 4.5" x 4" (with magnets attached)
Compliance:	Designed to UL, CSA, VDE, CE
Built-in Relay Specifications:	
Load Current:	0-80 A AC or DC Max, >= 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

For More Information

Services

Expect Relentless 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 ours.

Contact

For more information, email us at remote_monitoring_sales@aiworldwide.com, call us at [800-229-3404](tel:800-229-3404), or visit us online at aiworldwide.com.

Visit aiworldwide.com for These Resources

[MicroMax GPS350 Interrupter Installation and Configuration Quick Reference Guide](#)

[MicroMax GPS300 Interrupter Installation and Configuration Guide](#)

About American Innovations

American Innovations (AI) protects people and the environment by helping our customers safely and efficiently manage the world's energy infrastructure. We deliver proven compliance solutions to virtually every oil and gas transmission pipeline company in North America – from the field to the office. We provide an integrated family of hardware, software and professional services backed by relentless customer service. Our products include: Bullhorn® Remote Monitoring, MicroMax® Current Interrupters, Allegro Field Data PC™, PCS™ compliance software, and Risk Intelligence Platform (RIPL™) software. AI also provides a wealth of professional services including data migration, risk analysis, high consequence area (HCA) analysis, and regulatory compliance consulting.

V032318



aiworldwide.com

12211 Technology Blvd. • Austin, TX 78727
800-229-3404 • info@aiworldwide.com