

MicroMax GPS300



The GPS synchronized GPS300 helps operators ensure corrosion mitigation effectiveness and meet regulatory requirements, and is specifically designed for use with cathodic protection (CP) surveys. It is the smallest interrupter available with a built-in keypad and LCD display and is designed to fit inside most rectifier cabinets.

Interruption for:

- Rectifiers
- Cathodic protection
- Interference mode

MicroMax GPS300

Key Benefits

GPS synchronization

Keeps all interrupters, including Bullhorn remote monitors with interruption, synchronized for maximum accuracy

Smallest interrupter with embedded display and keyboard

- Takes up less space when transporting
- Can be installed inside most rectifiers
- Easy to operate using the keypad

Program interruption schedules with keypad or PC using USB

Simple and quick to program

Power directly from rectifier secondary AC tap or DC source

Quick installation and reliable operation

Interruption On/Off cycle times up to 999.9 seconds in 0.1 second increments

Customizable interruption characteristics

Continuous, daily, dated, and interference modes

Flexible interruption schedule

Interference mode with configurable Off, On, and delay cycle settings

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.

Provides up to 0.5 A at 12 V to control relays

Can use a wide range of mercury, solid state, standard, or custom relays

Store up to 9 interruption programs

Faster setup and common interruption settings using preconfigured schedules

Works with remote monitors from AI and other vendors

Compatibility allows system-wide interruption

Interruption not affected by loss of GPS signal

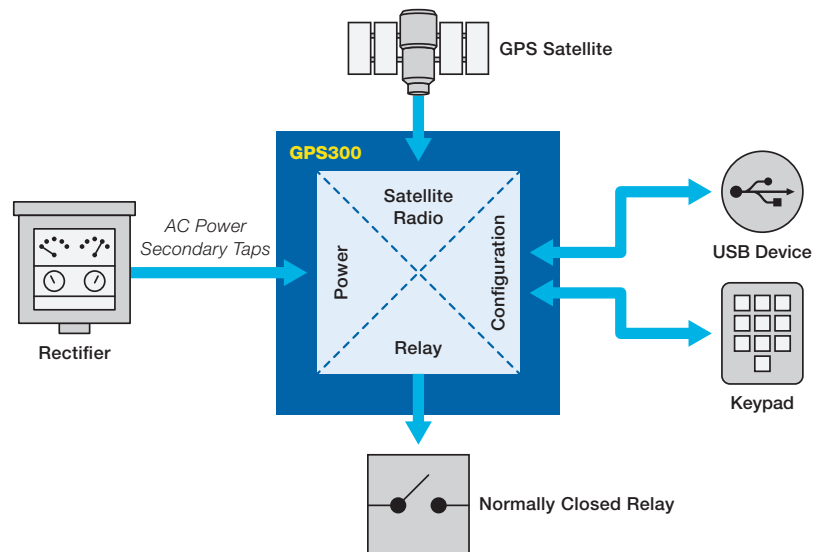
Prevents temporary GPS signal loss from affecting survey

Auto-resume after power loss

Interruption automatically continues with same program once power is restored

The MicroMax GPS300 is a portable, flexible, rugged, fully-programmable GPS synchronized current interrupter that is designed specifically for cathodic protection (CP) surveys. The GPS300 helps operators ensure corrosion mitigation effectiveness and meet regulatory requirements. It is the smallest interrupter available with a built-in keypad and LCD display and is designed to fit inside most rectifier cabinets. The GPS300 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.

- Portable – The GPS300 is the smallest interrupter available with a built-in keypad and LCD display. It is light, weighing less than 2 pounds, but rugged enough to withstand the harshest conditions.
- Small – The unit is small enough to fit inside most rectifier enclosures, reducing the chances of vandalism and eliminating the need to chain it down to prevent theft.
- Interference Mode – Synchronously interrupts specific groups of rectifiers to determine the influence of each rectifier on the structure under test. The GPS 300 provides Interference Mode for close interval, depolarization and DCVG surveys with configurable Off, On, and delay settings.
- Relay Compatibility – The GPS300 works with a wide range of solid state, mercury, standard, and custom relays all offered by American Innovations as the single source for all of your interruption needs.



GPS300 System Diagram

MicroMax GPS300 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
Relay Drive Capacity:	0.5 A
Number of Programmable Schedules:	9
Start Phase:	ON or 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:	1 lbs. 11 oz. (0.77 kg)
Dimensions:	6.0" x 4.5" x 2.8"

Relay Options

Mercury Normally Closed (NC):	30 A, 60 A and 100 A
AC Solid State Normally Closed (NC):	80 A and 100 A
DC Solid State Normally Closed (NC):	100 A

Accessories optionally available in ready-to-survey kit with relay, cables, and canvas bag

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 GPS300 Interrupter Installation and Configuration Guide](#)

[MicroMax GPS300 Interrupter Installation and Configuration Quick Reference 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.

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