



MICROMAX CURRENT INTERRUPTERS


REVISION 1

Micromax® GPS200 and Micromax® GPS80, two fully programmable synchronized current interrupters as part of i-series Survey Solutions. These interrupters offer a number of benefits and functionality, such as:

- Relay independent.
- GPS timing synchronization.
- Auto-resume of selected interruption schedule upon return of power after power loss, so it is not necessary to travel to the field to reset the interrupter.
- Interrupt multiple rectifiers with one MicroMax®.
- User-defined interruption schedules: up to 4 in the MicroMax® GPS80 and up to 9 in the MicroMax® GPS200.
- MicroMax® GPS80 in conjunction with a Bullhorn ICP remote monitoring unit can provide a remote GPS synchronized current interruption option.



The **i-series MicroMax® GPS80 Interrupter** is a flexible CP current interrupter with no equal. It is the smallest, proven, lowest-cost fully programmable GPS synchronized interrupter on the market. It offers a choice of programmable interruption schedules activated by selection key or via the i-series Bullhorn ICP remote monitoring unit. The GPS80 is compatible with all other brands of GPS synchronized interrupters or loggers. Users can define and store four different programs for later recall. Upon return of power, the unit automatically resumes its programmed cycle if a power disruption occurs. After hours, the unit can be set to automatically generate full CP polarization. The GPS80 can interrupt AC or DC. The device can use mercury or solid state relays, and because it is able to supply 500mA, interrupting multiple relays is no problem.

The **i-series MicroMax® GPS200 Interrupter** is a GPS satellite synchronized interrupter that is fully programmable in continuous, daily, dated, and interference/influence modes. The MicroMax® GPS200 is compatible with all other brands of GPS synchronized interrupters or loggers. Users can define and store nine different programs for later recall. Upon return of power, the unit automatically resumes its programmed cycle if a power disruption occurs. After hours, the unit can be set to automatically generate full CP polarization.





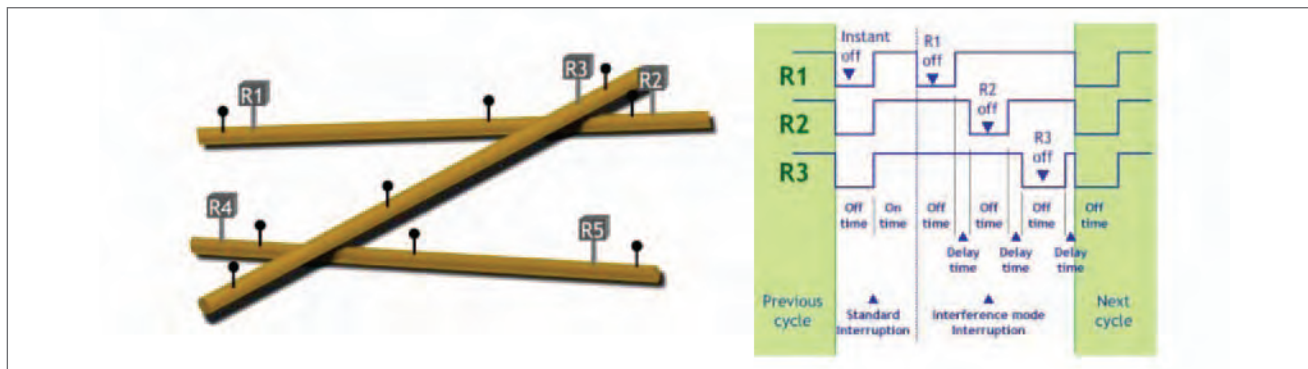
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AMERICAN INNOVATIONS
Field Data Division



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MEASURE INTERFERENCE FROM MULTIPLE PIPELINES AND MULTIPLE RECTIFIERS AND/OR MEASURE INFLUENCE FROM MULTIPLE RECTIFIERS ON ONE PIPELINE



Our unique, patent pending Interference Mode interruption cycle enables interference testing with greatly increased productivity and ease of data interpretation. By operating in Interference Mode, it is possible to determine the influence from multiple rectifiers AND capture the instant off pipe-to-soil potentials, all during a single visit to a test station!! In this mode, up to 99 GPS200 interrupters can be configured to switch multiple rectifiers so that IR-free pipe-to-soil potentials as well as the influence from each rectifier under investigation can be easily collected. See www.aimonitoring.com for an animation of the interference mode.

The same Interference Mode algorithm can be used on a single pipeline, using the methodology outlined above, to enable you to complete an "Influence Survey". This methodology facilitates an accurate evaluation of each rectifier's influence over the span of the pipeline.

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MicroMax® GPS80 INTERRUPTER OPTIONS



MicroMax® GPS80 INTERRUPTER - STAND ALONE OPTION

At last, an interrupter so small that it easily fits in the palm of your hand let alone most rectifiers. Reasonably priced, so now you can afford that GPS interrupter you've been trying to justify for so long. It can be permanently installed in a rectifier if that is what your CP program calls for.



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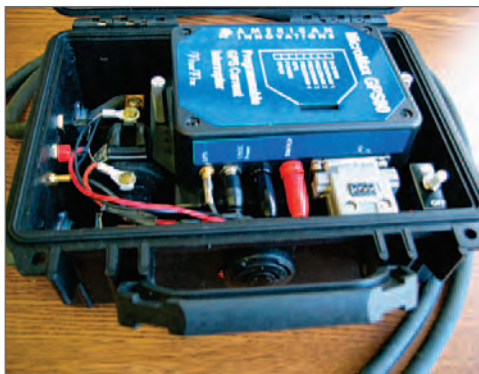
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MicroMax® GPS80 INTERRUPTER - OPTION 1 - WEATHERPROOF CASE, RECHARGEABLE BATTERIES, USES EXTERNAL RELAY



Do you need the versatility of the MicroMax® but require it to be weather proof with backup batteries? OPTION 1 provides all the functionality of the MicroMax® GPS80 PLUS weatherproof rugged packaging and a 2.6A.hr rechargeable backup battery allowing up to 8 hours of testing without an external power supply. Of course, the MicroMax GPS80 is easily removed to use as a stand alone interrupter as described above.

MicroMax® GPS80 INTERRUPTER - OPTION 2 - WEATHERPROOF CASE PLUS RECHARGEABLE BATTERIES AND 60A INTERNAL MERCURY RELAY WITH EXTERNAL CABLES TO SWITCH RECTIFIER



If you want an all-in-one interrupter, MicroMax® GPS80 is your answer. By adding OPTION 2 you are provided with an affordable, small, self contained GPS synchronized interrupter that is ready to go! Simply connect, switch ON and GPS interruption will start within minutes. Additionally, you still have the option of using external relays in combination with, or without, the built in 60A relay. Also, the MicroMax® GPS80 is easily removed to use as a stand alone interrupter as described above.



MICROMAX CURRENT INTERRUPTERS



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MicroMax® GPS80 INTERRUPTER WITH i-SERIES ICP REMOTE MONITORING UNIT



How often have you wasted a day on an interrupted survey when you found out that the interrupter at a rectifier failed? Even once is too often, and the financial and man-hours cost is unacceptable. When the MicroMax® GPS80 is integrated with a Bullhorn ICP remote monitoring unit, your GPS interrupter will let you know as soon as a problem arises, and you can deal with the problem without wasting time. The remote monitor uses a low earth orbit satellite for communication insuring communication anywhere, anytime.

ALL GPS interrupters can drive multiple relays and are supplied with a GPS antenna, 110 VAC charger, cycle program selector key, download cable & software