



## Stability Monitoring Systems Model 6280-GS-SST01

### GENERAL

Geosystems offer a range of monitoring systems at various levels of sophistication. These include a basic limit switch alarm, a digital readout and alarm or datalogger with alarm.

### APPLICATIONS

The Geosystems stability monitoring systems are used to detect differential movement in unstable slopes. The various systems can monitor the following displacement measurement instruments:

- Crackmeters
- Rod Extensometers
- Wire-line Extensometers
- Vibrating wire joint meters

### Range

#### LIMIT SWITCH ALARM: SLOPEGUARD I

The basic limit switch alarm will activate alarms when a pre-determined amount of movement has occurred. This system allows remote monitoring when access to the monitoring instrument is difficult or dangerous.

#### DIGITAL READOUT ALARM: SLOPEGUARD II

The digital readout and alarm unit allows for periodic checking and manual recording of movements. Alarms will also be activated when a pre-determined amount of movement has occurred. This system allows remote monitoring when access to the monitoring instrument is difficult or dangerous.



### DATALOGGER AND ALARM

A datalogger and alarm system offers the highest level of operator convenience and safety. The datalogger will continually check each transducer and compare its value with previous records. An alarm will be activated when it exceeds a pre-determined amount of movement. By using a datalogger system, a continuous record of time versus displacement is provided. This enables clear representation of acceleration changes.

### ALARMS

Several different types of alarms are available and these include: -

- Mechanical flagging systems eg. expose a warning sign
- Basic alarm siren and flashing light at monitoring point
- Remote alarm siren and flashing light connected by cable
- Radio alarm or activated phone alarm

### COMMUNICATIONS

The ability to communicate with a datalogger is often useful when access to the datalogger is difficult or information updates are required frequently. Communications can be provided by an RS 232 connection or compatible system. Land-lines with short haul modems provide excellent communications between the datalogger and a computer. Communication over a switched telephone network can also be provided.

Due to on-going design improvements and reviews, we reserve the right to amend product and specifications without prior notice