

### Model FP Flat Plate Movement Sensor specifications

| Sensor Specification                   |                     | Model FP5                         |
|--|---------------------|-----------------------------------|
| Impact threshold range (typical)       |                     | 1 Dyne cm                         |
|  |                     | ____ Joule                        |
| Power Requirement at 12VDC             |                     | 0.1032 Watts                      |
|  |                     | 8.6ma @ 12VDC                     |
| Weight                                 |                     | ____ lbs                          |
|  |                     | ____ kg                           |
| Crystal diameter                       |                     | 1.575"                            |
|  |                     | 40mm                              |
| Base dimensions                        |                     | Dia: 1.995"                       |
|  |                     | Height: 1.5"                      |
| Crystal surface                        |                     | Stainless Steel                   |
| Height above Z0                        |                     | 3mm                               |
| Data                                   | Kinetic energy      | No                                |
|  | # Impacts low gain  | No                                |
|  | # Impacts high gain | Yes                               |
|  | PHA                 | No                                |
| Output Format <sup>2</sup>             |                     | Pulse TTL/CMOS                    |
| Measurement: kinetic energy            |                     | No                                |
| Measurement: # of impacts <sup>1</sup> |                     | Yes                               |
| Measurement: creep                     |                     | Yes                               |
| Sensitivity to rain                    |                     | High                              |
| Application                            |                     | LT <sup>2</sup> Movement          |
| Price                                  |                     | By request                        |
| Wiring Hookup                          |                     | Black: Common                     |
|  |                     | Red: +12V @ 8.6ma                 |
|  |                     | Green: Particle Count (1mS pulse) |

<sup>1</sup> PC Particle count (# of impacts) 1.00mS width, positive 0 -> 5V pulse height.

<sup>2</sup> LT - Long term studies.