

ELECTRICAL

| | | | |
|---|------|--------------------------|-----|
| Supply Voltage Range | VDC | 15 to 35 | |
| Current Draw | mA | <70 | |
| Measurement Range | pC | ±100 to ±1,000,000 | |
| Output Signal- Instantaneous | V | ±10 | |
| Output Signal- Peak | V | 0 to 10 | |
| Accuracy | % FS | <±1 | |
| Linearity | % FS | <0.02 | |
| Output Offset | mV | <±10 | |
| Noise (0.1 Hz to 100 kHz) | mVpp | <20 | [1] |
| Output Resistance | Ohm | 10 | |
| Reset Operate Offset | | Electrically Compensated | |
| Drift (73°F, 23°C) | pC/s | <0.03 | [2] |
| Offset Voltage Q-input | µV | <50 | |
| Frequency Response (-3dB) ≤100,000pC | kHz | ~0 to 20 | |
| >100,000pC | kHz | >2 | |
| Control Input (galvanically separated) | ±V | 5 to 45 | |
| Switching Output (maximum) (galvanically separated) | mA | 100 | |
| | V | 45 | |

ENVIRONMENTAL

| | | | |
|-----------------------|--------|--|-----|
| Operating Temperature | °F(°C) | +23 to +140 (-5 to +60) | |
| Storage Temperature | °F(°C) | -4 to +176 (-20 to +80) | |
| Protection Class | | IP40 | |
| EMC | | EN 61000-6-2 immunity EN 61000-6-4 emission | [3] |

PHYSICAL

| | | |
|------------------|----------|-----------------------------------|
| Dimensions | in(mm) | 3.1 x 3.9 x 1.3 (79 x 98 x 34) |
| Weight | lbs(gms) | 0.6 (272.2) |
| Housing | | Aluminum |
| Input Connector | | BNC Jack |
| Position | | Side |
| Output Connector | | 25-Pin D-sub |
| Position | | Side |

NOTES:

- [1] <30 mV_{pp} in 100 pC range.
- [2] Scope: charge input open and screened, charge amplifier connected to operating voltage for min. 30 min, in "operate" mode, lid tightly closed.
- [3] See PCB Declaration of Conformance PS056 for details.

SUPPLIED ACCESSORIES:

-NONE-



In the interest of constant product improvement, we reserve the right to change specifications without notice.

3]

ICP® is a registered trademark of PCB Group, Inc.



| | | | |
|----------|--------------------|---------|--------------------------|
| Drawn | <i>[Signature]</i> | 1-17-06 | Spec No. 29412 |
| Engineer | <i>[Signature]</i> | 1/17/06 | |
| Sales | <i>[Signature]</i> | 1/17/06 | Sheet 1 of 1 |
| Approved | <i>[Signature]</i> | 1-17-06 | |