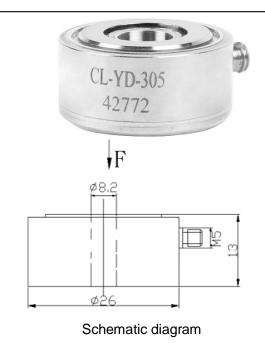


## Piezoelectric Force Sensors with Charge Output

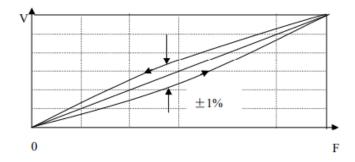
(Used in LC-04A Impact Hammer)

## Specifications:

| Axial Sensitivity (20±5°C)   | ~4 pC/N                            |  |  |
|------------------------------|------------------------------------|--|--|
| Measurement Range            | 0 ~ 60 kN                          |  |  |
| Overload Capacity            | 120%                               |  |  |
| Non linearity                | ≤ 1% F.S.                          |  |  |
| Lag                          | ≤ 1% F.S.                          |  |  |
| Non Repeatability            | ≤ 1% F.S.                          |  |  |
| Mounting Resonance Frequency | > 55 kHz                           |  |  |
| Operation Temp. Range        | -40∼+150 °C                        |  |  |
| Insulation Resistance        | ≥10 <sup>13</sup> Ω                |  |  |
| Capacitance                  | 15 pF                              |  |  |
| Mounting Method              | Φ8.2 through hole                  |  |  |
| Sensing Element              | Quartz                             |  |  |
| Case Material                | Stainless Steel                    |  |  |
| Weight                       | 34 g                               |  |  |
| Output Type                  | L5 (side)                          |  |  |
| Grounding                    | Signal Ground<br>Connected to Case |  |  |
| Low Noise Cable to BNC       | Included                           |  |  |
| Calibration Certificate      | Included                           |  |  |



Model: CL-YD-305



Typical static error curve (3 time average)