

# MINIATURE TENSION LOAD CELLS

## Model AUMT

Compression or Tension load cell.

These load cells are extremely small and lightweight.

Protection Class Ip66



## SPECIFICATIONS

| Specifications                      | Accuracy                                              |
|-------------------------------------|-------------------------------------------------------|
| Rated capacity(R.C.)                | 1kgf, 2kgf, 5kgf, 10kgf, 20kgf, 50kgf, 100kgf, 200kgf |
| Rated output(R.O.)                  | 0.7~1.2mV/V                                           |
| Nonlinearity                        | 0.1% of R.O.                                          |
| Hysteresis                          | 0.1% of R.O.                                          |
| Repeatability                       | 0.1% of R.O.                                          |
| Zero balance                        | ±2.0% of R.O.                                         |
| Temperature effect, on rated output | 0.1% of LOAD / 10°C                                   |
| Temperature effect, on zero balance | 0.05% of R.O. / 10°C                                  |
| Temperature range, compensated      | -10~60°C                                              |
| Operating temperature range         | -10~80°C                                              |
| Terminal resistance input           | 350±30Ω                                               |
| Terminal resistance output          | 350±2Ω                                                |
| Insulation resistance bridge/case   | 2000 MΩ                                               |
| Excitation recommended              | 5V                                                    |
| Safe overload                       | 120% R.C.                                             |
| Cable length                        | Ø3.4core shield cable, 3m                             |

## DIMENSIONS TABLE

unit:mm

| Capacity         | A  | B  | C  | D      | E  |
|------------------|----|----|----|--------|----|
| 1kgf (9.807N)    | 23 | 20 | 10 | M3X0.5 | 18 |
| 2kgf (19.61N)    | 23 | 20 | 10 | M3X0.5 | 18 |
| 5kgf (49.03N)    | 23 | 20 | 10 | M3X0.5 | 18 |
| 10kgf (98.07N)   | 27 | 21 | 11 | M6X1   | 22 |
| 20kgf (196.1N)   | 27 | 21 | 11 | M6X1   | 22 |
| 50kgf (490.3N)   | 27 | 21 | 11 | M6X1   | 22 |
| 100kgf (980.7N)  | 27 | 21 | 11 | M6X1   | 22 |
| 200kgf (1.961kN) | 27 | 21 | 11 | M6X1   | 22 |

