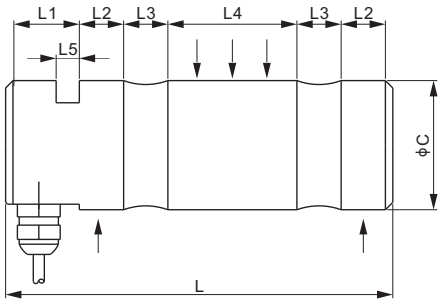
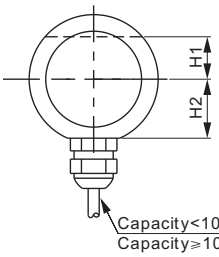
# 535TS

## Stainless Steel




CE RoHS

### DIMENSIONS

| RATED CAPACITY | C | H1 | H2 | L | L1 | L2 | L3 | L4 | L5 |
|---|---|---|---|---|---|---|---|---|---|
| **t/mm** | | | | | | | | | |
| 2–5 | 35.0 | 11.5 | 16.0 | 105.0 | 20.0 | 12.0 | 12.0 | 35.0 | 6.30 |
| 10 | 50.0 | 20.0 | 22.5 | 152.0 | 30.0 | 18.0 | 18.0 | 48.0 | 10.5 |
| 20 | 65.0 | 22.5 | 28.5 | 190.0 | 32.0 | 20.0 | 25.0 | 65.0 | 10.5 |
| 40 | 85.0 | 22.5 | 28.5 | 256.0 | 36.0 | 35.0 | 28.0 | 89.0 | 12.5 |
| 70 | 100.0 | 34.0 | 35.0 | 328.0 | 40.0 | 50.0 | 32.0 | 120.0 | 15.0 |
| 100 | 120.0 | 44.0 | 45.0 | 328.0 | 40.0 | 50.0 | 32.0 | 120.0 | 15.0 |
| **lb/inches** (conversion of above dimensions) | | | | | | | | | |
| 4,409.2–11,023.1 | 1.38 | 0.45 | 0.63 | 4.13 | 0.79 | 0.47 | 0.47 | 1.38 | 0.25 |
| 22,046.2 | 1.97 | 0.79 | 0.89 | 5.98 | 1.18 | 0.71 | 0.71 | 1.89 | 0.41 |
| 44,092.5 | 2.56 | 0.89 | 1.12 | 7.48 | 1.26 | 0.79 | 0.98 | 2.56 | 0.41 |
| 88,184.9 | 3.35 | 0.89 | 1.12 | 10.08 | 1.42 | 1.38 | 1.10 | 3.50 | 0.49 |
| 154,323.6 | 3.94 | 1.34 | 1.38 | 12.91 | 1.57 | 1.97 | 1.26 | 4.72 | 0.59 |
| 220,462.3 | 4.72 | 1.73 | 1.77 | 12.91 | 1.57 | 1.97 | 1.26 | 4.72 | 0.59 |

### SPECIFICATIONS

| | | | |
|---|---|---|---|
| **Full Scale Output** | 1.0 mV/V ± 10% | **Recommended Excitation** | 10V (15V Maximum) |
| **Zero Balance** | ± 0.02 mV/V | **Insulation Resistance** | >2 [ 50V DC ] GΩ |
| **Non-linearity** | < ± 0.50% | **Compensated Temperature Range** | -10°C to 50°C / 14°F to 122°F |
| **Repeatability** | < ± 0.30% | **Safe Overload** | 150% of full scale |
| **Hysteresis Error** | < ± 0.50% | **Breaking Overload** | 400% of full scale |
| **Creep in 30 min.** | < ± 0.20% | **Seal Type / IP Rating** | Environmentally Sealed / IP67 |
| **Input Resistance** | 400Ω ± 20 | **Cable Color Code** | Exc+ Red Exc- Black |
| **Output Resistance** | 350Ω ± 3 | | Sig+ Green Sig- White |
| **Element Material** | 2Cr13 Stainless Steel | | Shield Bare |

### PART NUMBER

| Rated Capacity | Part No. | Weight (kg) Approx. |
|---|---|---|
| 2t | 535TS-2t-YZ | 0.8 |
| 5t | 535TS-5t-YZ | 0.8 |
| 10t | 535TS-10t-YZ | 2.1 |
| 20t | 535TS-20t-YZ | 4.6 |
| 40t | 535TS-40t-YZ | 11.2 |
| 70t | 535TS-70t-YZ | 20.0 |
| 100t | 535TS-100t-YZ | 30.0 |

### APPLICATION EXAMPLES