

# 106TS

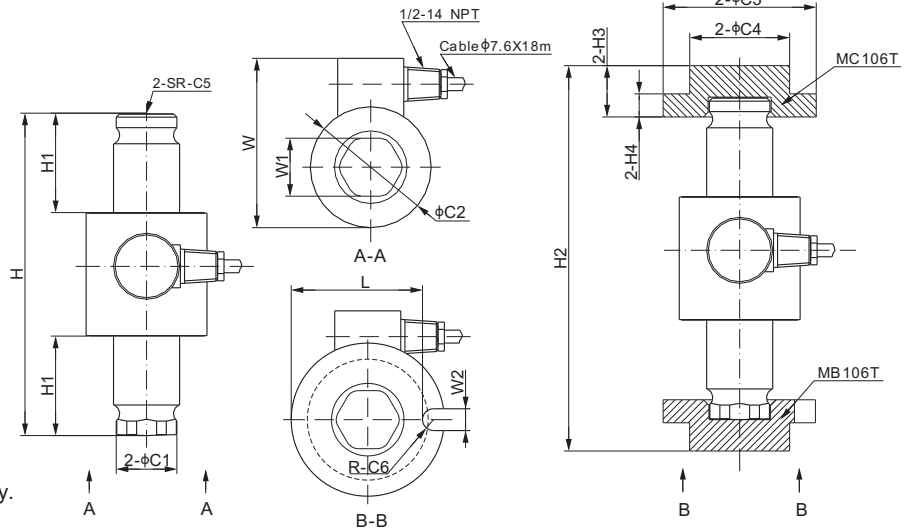
ANYLOAD

## Stainless Steel



CE RoHS

Mounting hardware to be ordered separately.



### DIMENSIONS

| RATED CAPACITY    | C1   | C2   | C3   | C4   | C5    | C6   | H     | H1   | H2    | H3   | H4   | L    | W     | W1   | W2   |
|-------------------|------|------|------|------|-------|------|-------|------|-------|------|------|------|-------|------|------|
| <b>Klb/inches</b> |      |      |      |      |       |      |       |      |       |      |      |      |       |      |      |
| 50-100            | 1.48 | 2.95 | 3.74 | 2.44 | 11.02 | 0.27 | 7.88  | 2.43 | 9.41  | 1.25 | 0.56 | 3.21 | 4.13  | 1.41 | 0.53 |
| <b>t/mm</b>       |      |      |      |      |       |      |       |      |       |      |      |      |       |      |      |
| SE30              | 37.7 | 75.0 | 95.0 | 62.0 | 160.0 | 6.75 | 150.0 | 37.0 | 189.0 | 31.8 | 14.3 | 81.5 | 105.0 | 35.7 | 13.5 |
| 30                | 37.7 | 75.0 | 95.0 | 62.0 | 280.0 | 6.75 | 200.0 | 61.7 | 239.0 | 31.8 | 14.3 | 81.5 | 105.0 | 35.7 | 13.5 |

### SPECIFICATIONS

|                          |                        |                                      |                                                                       |
|--------------------------|------------------------|--------------------------------------|-----------------------------------------------------------------------|
| <b>Full Scale Output</b> | 2.0 mV/V $\pm$ 0.1%    | <b>Recommended Excitation</b>        | 10V (15V Maximum)                                                     |
| <b>Zero Balance</b>      | $\pm$ 0.02 mV/V        | <b>Insulation Resistance</b>         | >2 [ 50V DC ] G $\Omega$                                              |
| <b>Non-linearity</b>     | $\leq \pm$ 0.030%      | <b>Compensated Temperature Range</b> | -10°C to 50°C / 14°F to 122°F                                         |
| <b>Repeatability</b>     | $\leq \pm$ 0.017%      | <b>Safe Overload</b>                 | 150% of full scale                                                    |
| <b>Hysteresis Error</b>  | $\leq \pm$ 0.017%      | <b>Breaking Overload</b>             | 300% of full scale                                                    |
| <b>Creep in 30 min.</b>  | $\leq \pm$ 0.020%      | <b>Seal Type / IP Rating</b>         | Welded Seal / IP68                                                    |
| <b>Input Resistance</b>  | 1150 $\Omega$ $\pm$ 50 | <b>Cable Color Code</b>              | Exc+ Red      Exc- Black<br>Sig+ Green      Sig- White<br>Shield Bare |
| <b>Output Resistance</b> | 1000 $\Omega$ $\pm$ 5  |                                      |                                                                       |
| <b>Element Material</b>  | 2Cr13 Stainless Steel  |                                      |                                                                       |

### PART NUMBER

| Load Cell      |                      |                     |
|----------------|----------------------|---------------------|
| Rated Capacity | Part No.             | Weight (kg) Approx. |
| 50Klb.....     | 106TS-50Klb-YZ.....  | 4.2                 |
| 100Klb.....    | 106TS-100Klb-YZ..... | 4.4                 |
| SE30t.....     | 106TS-SE30t-YZ.....  | 3.7                 |
| 30t.....       | 106TS-30t-YZ.....    | 5.8                 |

| Mounting Hardware      |                             |                                   |
|------------------------|-----------------------------|-----------------------------------|
| Description            | Load Cell Capacity          | Part No.      Weight (kg) Approx. |
| Alloy Steel:           |                             |                                   |
| Cap.....               | 50Klb,100Klb,SE30t,30t..... | MC106TH-(50-100)Klb..... 1.1      |
| Base.....              | 50Klb,100Klb,SE30t,30t..... | MB106TH-(50-100)Klb..... 1.1      |
| Stainless Steel 2Cr13: |                             |                                   |
| Cap.....               | 50Klb,100Klb,SE30t,30t..... | MC106TS-(50-100)Klb-YZ ..1.1      |
| Base.....              | 50Klb,100Klb,SE30t,30t..... | MB106TS-(50-100)Klb-YZ ..1.1      |

| Rated Capacity | Part Number     | INTERCHANGEABLE PRODUCTS |                    |
|----------------|-----------------|--------------------------|--------------------|
|                |                 | Coti-Global              | Mettler-Toledo     |
| 50Klb          | 106TS-50Klb-YZ  |                          | Powercell 760/MTX* |
| 100Klb         | 106TS-100Klb-YZ |                          | Powercell 760/MTX* |
| SE30t          | 106TS-SE30t-YZ  | CG-26S7-30t              | 0782, 30t          |
| 30t            | 106TS-30t-YZ    | CG-26S7-30t-797          | Powercell 760/MTX* |

\* Powercell 760 and MTX are digital load cells.



NTEP 1:10 000 Class IIIIL, Multiple Cell



OIML MAA C3, Y=16 000