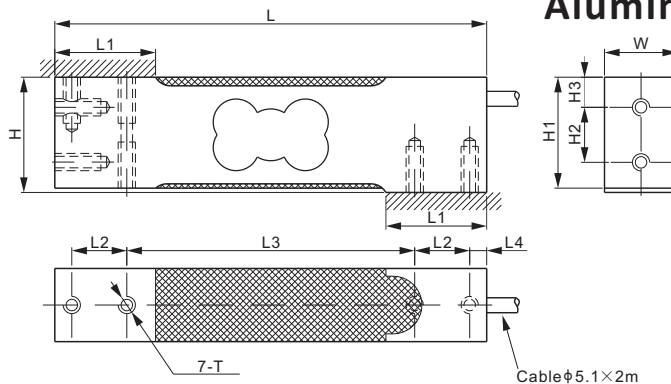


Aluminum



## DIMENSIONS

| RATED CAPACITY                                    | H    | H1   | H2   | H3   | L     | L1   | L2   | L3    | L4   | W    | T                     |
|---------------------------------------------------|------|------|------|------|-------|------|------|-------|------|------|-----------------------|
| <b>108TA:</b>                                     |      |      |      |      |       |      |      |       |      |      |                       |
| <b>kg/mm</b>                                      |      |      |      |      |       |      |      |       |      |      |                       |
| 3-200                                             | 40.0 | 38.5 | 19.1 | 10.5 | 150.0 | 35.0 | 19.1 | 100.0 | 5.9  | 25.4 | M6 Depth16            |
| <b>lb/inches</b> (conversion of above dimensions) |      |      |      |      |       |      |      |       |      |      |                       |
| 6.61-440.92                                       | 1.57 | 1.52 | 0.75 | 0.41 | 5.91  | 1.38 | 0.75 | 3.94  | 0.23 | 1.00 | M6 Depth0.6           |
| <b>108TAUN:</b>                                   |      |      |      |      |       |      |      |       |      |      |                       |
| <b>kg/mm</b>                                      |      |      |      |      |       |      |      |       |      |      |                       |
| 3-200                                             | 40.0 | 38.5 | 19.1 | 10.5 | 150.0 | 35.0 | 19.1 | 100.0 | 5.9  | 25.4 | 1/4-20UNC-2B Depth16  |
| <b>lb/inches</b> (conversion of above dimensions) |      |      |      |      |       |      |      |       |      |      |                       |
| 6.61-440.92                                       | 1.57 | 1.52 | 0.75 | 0.41 | 5.91  | 1.38 | 0.75 | 3.94  | 0.23 | 1.00 | 1/4-20UNC-2B Depth0.6 |

## SPECIFICATIONS

|                          |                     |                                     |                                                                   |
|--------------------------|---------------------|-------------------------------------|-------------------------------------------------------------------|
| <b>Full Scale Output</b> | 2.0 mV/V $\pm$ 10%  | <b>Recommended Excitation</b>       | 10V (15V Maximum)                                                 |
| <b>Zero Balance</b>      | $\pm$ 0.02 mV/V     | <b>Reference Max. Platform Size</b> | 400x450 mm                                                        |
| <b>Non-linearity</b>     | $< \pm 0.017\%$     | <b>Insulation Resistance</b>        | $> 2 [50V DC] G\Omega$                                            |
| <b>Repeatability</b>     | $< \pm 0.017\%$     | <b>Nominal Temperature Range</b>    | -10°C to 40°C / 14°F to 104°F                                     |
| <b>Hysteresis Error</b>  | $< \pm 0.017\%$     | <b>Safe Overload</b>                | 150% of full scale                                                |
| <b>Creep in 30 min.</b>  | $< \pm 0.023\%$     | <b>Breaking Overload</b>            | 300% of full scale                                                |
| <b>Input Resistance</b>  | 415 $\Omega \pm 15$ | <b>Seal Type / IP Rating</b>        | Environmentally Sealed / IP66                                     |
| <b>Output Resistance</b> | 350 $\Omega \pm 3$  | <b>Cable Color Code</b>             | Exc+ Red    Exc- Black<br>Sig+ Green    Sig- White    Shield Bare |
| <b>Element Material</b>  | Aluminum            |                                     |                                                                   |

## PART NUMBER

| Rated Capacity | Part No.      | Weight (kg) Approx. |
|----------------|---------------|---------------------|
| 3kg            | 108TA-3kg     | 0.4                 |
|                | 108TAUN-3kg   | 0.4                 |
| 5kg            | 108TA-5kg     | 0.4                 |
|                | 108TAUN-5kg   | 0.4                 |
| 7kg            | 108TA-7kg     | 0.4                 |
|                | 108TAUN-7kg   | 0.4                 |
| 10kg           | 108TA-10kg    | 0.4                 |
|                | 108TAUN-10kg  | 0.4                 |
| 15kg           | 108TA-15kg    | 0.4                 |
|                | 108TAUN-15kg  | 0.4                 |
| 20kg           | 108TA-20kg    | 0.4                 |
|                | 108TAUN-20kg  | 0.4                 |
| 30kg           | 108TA-30kg    | 0.4                 |
|                | 108TAUN-30kg  | 0.4                 |
| 50kg           | 108TA-50kg    | 0.4                 |
|                | 108TAUN-50kg  | 0.4                 |
| 75kg           | 108TA-75kg    | 0.4                 |
|                | 108TAUN-75kg  | 0.4                 |
| 100kg          | 108TA-100kg   | 0.4                 |
|                | 108TAUN-100kg | 0.4                 |
| 150kg          | 108TA-150kg   | 0.4                 |
|                | 108TAUN-150kg | 0.4                 |
| 200kg          | 108TA-200kg   | 0.4                 |
|                | 108TAUN-200kg | 0.4                 |

## INTERCHANGEABLE PRODUCTS

| Manufacturer              | Model                  |
|---------------------------|------------------------|
| <b>108TA</b>              |                        |
| Flintec                   | PC42 (20-150kg)*       |
| Vishay Revere Transducers | 642C                   |
| Vishay Tedeia-Huntleigh   | 1042(metric threads)   |
| <b>108TAUN</b>            |                        |
| Cardinal                  | TSP                    |
| Coti Global               | CG-42                  |
| HBM                       | SP4                    |
| Rice Lake                 | RL1042                 |
| Rice Lake                 | RLSP4                  |
| Vishay Revere Transducers | 642                    |
| Vishay Tedeia-Huntleigh   | 1042(imperial threads) |

\* Flintec PC42 has a M8 mounting hole



NTEP 1:5 000 Class III, Single Cell



5kg-30kg: OIML MAA C4, Y=15 000;  
50kg-200kg: OIML MAA C5, Y=12 300