

# 108BS-AD

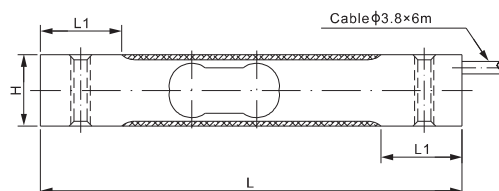
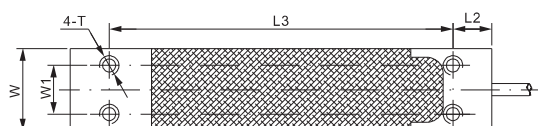
## Stainless Steel

ANYLOAD



### Features:

- High-performance single-point load cell for fast dynamic weighing
- High rigidity and natural frequency enable rapid response
- Excellent side load rejection and off-center load accuracy
- Optional wiring configurations available
- Ideal for industrial weighing applications



### DIMENSIONS

| RATED CAPACITY                                    | H    | L     | L1   | L2   | L3    | W    | W1   | T  |
|---------------------------------------------------|------|-------|------|------|-------|------|------|----|
| <b>kg/mm</b>                                      |      |       |      |      |       |      |      |    |
| 10-30                                             | 22.0 | 130.0 | 25.0 | 12.0 | 106.0 | 25.4 | 15.0 | M6 |
| 40                                                | 22.0 | 130.0 | 25.0 | 12.0 | 106.0 | 30.0 | 15.0 | M6 |
| <b>lb/inches</b> (conversion of above dimensions) |      |       |      |      |       |      |      |    |
| 22.05-66.14                                       | 0.87 | 5.12  | 0.98 | 0.47 | 4.17  | 1.00 | 0.59 | M6 |
| 88.18                                             | 0.87 | 5.12  | 0.98 | 0.47 | 4.17  | 1.18 | 0.59 | M6 |

### SPECIFICATIONS

|                          |                         |                                     |                                                                   |
|--------------------------|-------------------------|-------------------------------------|-------------------------------------------------------------------|
| <b>Full Scale Output</b> | 1.5 mV/V $\pm$ 10%      | <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>     | $\pm$ 0.017% FS         | <b>Reference Max. Platform Size</b> | 400X400mm                                                         |
| <b>Repeatability</b>     | $\pm$ 0.017% FS         | <b>Nominal Temperature Range</b>    | -10°C to 40°C / 14°F to 104°F                                     |
| <b>Hysteresis Error</b>  | $\pm$ 0.017% FS         | <b>Safe Overload</b>                | 150% of full scale                                                |
| <b>Creep in 30 min.</b>  | $\pm$ 0.023% FS         | <b>Breaking Overload</b>            | 300% of full scale                                                |
| <b>Input Resistance</b>  | 385 $\Omega$ $\pm$ 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>  | 17- 4PH Stainless Steel |                                     |                                                                   |

### PART NUMBER\*

| Rated Capacity | Part No.           | Weight Approx. (kg) |
|----------------|--------------------|---------------------|
| 10kg .....     | 108BS-AD-10kg..... | 0.2                 |
| 15kg .....     | 108BS-AD-15kg..... | 0.2                 |
| 20kg .....     | 108BS-AD-20kg..... | 0.2                 |
| 30kg .....     | 108BS-AD-30kg..... | 0.2                 |
| 40kg .....     | 108BS-AD-40kg..... | 0.2                 |

\* ATEX, FM, IECEx approved versions carry the "-Ex" suffix.

### NATURAL FREQUENCY\*

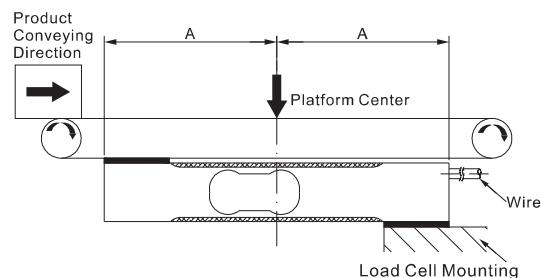
| Capacity  | Natural Frequency(Hz) |
|-----------|-----------------------|
| 10kg..... | 650                   |
| 15kg..... | 730                   |
| 20kg..... | 780                   |
| 30kg..... | 850                   |
| 40kg..... | 900                   |

\* Approx

### INTERCHANGEABLE REFERENCE

| Brand    | Model |
|----------|-------|
| HBM..... | PW6D  |

### INSTALLATION ILLUSTRATION



# Product Datasheet Disclaimer

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