

# H3F

- Nickel plated alloy steel IP67 "S" type load cell
- Tension and compression applications
- Suitable for hanging, hopper and other weighing devices
- Also available in imperial capacities and dimensions

## Features

- Capacities: 0.1t~5t;250lb~20klb
- High accuracy
- Alloy steel construction
- Low profile
- NTEP Cert. No.: CC06-099A1



Non OIML approved Certificate no. 06-099A1

## Specifications

| Capacity                                 | t      | 100kg/250kg/500kg/750kg/1t/1.5t/2t/2.5t/5t         |           |
|--|--------|--|-----------|
|  | Klb    | 250/500/750/1K/1.5K/2K/2.5K/3K/5K/7.5K/10K/15K/20K |           |
| Accuracy                                 |        | C3   | N5        |
| Maximum Number of Verification Intervals | Nmax   | 3000   | 5000      |
| Minimum Number of Verification Intervals | Vmin   | Emax/5000  | Emax/5000 |
| Output Sensitivity                       | (mV/V) | 3.0±0.008  |           |
| Input Resistance                         | (Ω)    | 350±3.5  |           |
| Output Resistance                        | (Ω)    | 351±2  |           |
| Insulation Resistance                    | (MΩ)   | ≥5000 (50VDC)                                      |           |
| Zero Balance                             | (%FS)  | 1.0  |           |
| Temperature, Compensated                 | (°C)   | -10~+40  |           |
| Temperature, Operating                   | (°C)   | -35~+70  |           |
| Excitation, Recommended                  | (V)    | 5~12 (DC)  |           |
| Excitation, Max                          | (V)    | 18 (DC)  |           |
| Safe Overload                            | (%FS)  | 150  |           |
| Ultimate Overload                        | (%FS)  | 300  |           |

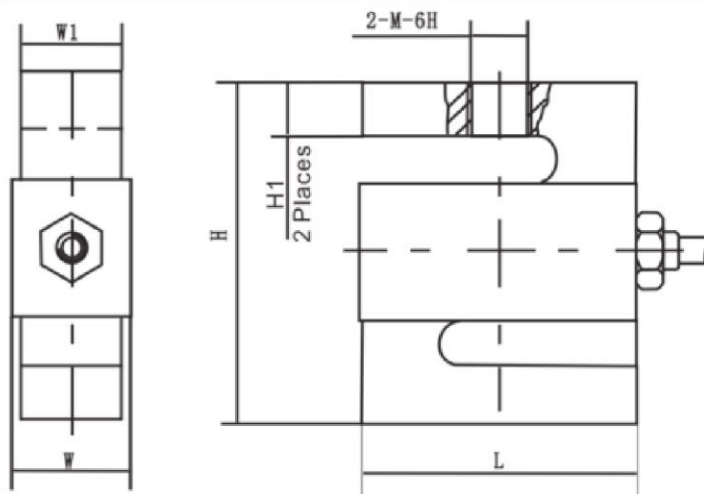
## Cross Reference

| Manufacturer  | Model              |
|---------------|--------------------|
| Celtron       | STC                |
| Sensortronics | 60001,60036,RTU363 |
| Cotu          | CISB               |
| Transcell     | BSS                |

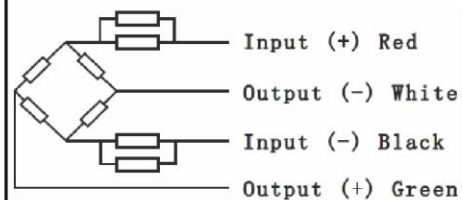
## Accessories

- HL-3-001
- HL-3-002
- HL-3-003
- HL-3-004
- HL-3-005

## Dimensions in mm (in)



## Wiring



- Shielded, 4 conductor cable
- Cable diameter: 0.2in
- Standard cable length: 20ft
- Shield not connected to element

## H3F

## Dimensions in mm (in)

| Dimension (mm) | H          | W           | W1          | L            | H1           | M              |
|----------------|------------|-------------|-------------|--------------|--------------|----------------|
| Capacity       |            |             |             |              |              |                |
| 100kg          | 76.2 (3)   | 25.4 (1.0)  | 19 (0.75)   | 50.8 (2)     | 15.8 (0.62)  | M10x1.5        |
| 250kg          | 76.2 (3)   | 25.4 (1.0)  | 19 (0.75)   | 20.8 (2)     | 15.12 (0.6)  | M12x1.75       |
| 500kg          | 76.2 (3)   | 25.4 (1.0)  | 19 (0.75)   | 50.8 (2)     | 14.2 (0.56)  | M12x1.75       |
| 750kg          | 76.2 (3)   | 25.4 (1.0)  | 19 (0.75)   | 50.8 (2)     | 13.46 (0.53) | M12x1.75       |
| 1000kg         | 76.2 (3)   | 31.8 (1.25) | 25.4 (1)    | 50.8 (2)     | 13.24 (0.52) | M12x1.75       |
| 1500kg         | 76.2 (3)   | 31.8 (1.25) | 25.4 (1)    | 50.8 (2)     | 12.1 (0.48)  | M12x17.75      |
| 2000kg         | 108 (4.25) | 31.8 (1.25) | 25.4 (1)    | 76.2 (3)     | 26.7 (1.05)  | M18x1.5        |
| 2500kg         | 108 (4.25) | 31.8 (1.25) | 25.4 (1)    | 76.2 (3)     | 25.48 (1)    | M18x1.5        |
| 5000kg         | 108 (4.25) | 31.8 (1.25) | 25.4 (1)    | 76.2 (3)     | 20.26 (0.8)  | M18x1.5        |
| 250lb          | 76.2 (3)   | 19 (0.75)   | 12.7 (0.5)  | 50.8 (2)     | 15.69 (0.62) | 3/8-24UNF-2B   |
| 500lb          | 76.2 (3)   | 25.4 (1.0)  | 19 (0.75)   | 50.8 (2)     | 15.25 (0.6)  | 1/2-20UNF-2B   |
| 750lb          | 76.2 (3)   | 25.4 (1.0)  | 19 (0.75)   | 50.8 (2)     | 14.95 (0.59) | 1/2-20UNF-2B   |
| 1klb           | 76.2 (3)   | 25.4 (1.0)  | 19 (0.75)   | 50.8 (2)     | 14.4 (0.57)  | 1/2-20UNF-2B   |
| 1.5klb         | 76.2 (3)   | 25.4 (1.0)  | 19 (0.75)   | 50.8 (2)     | 13.75 (0.54) | 1/2-20UNF-2B   |
| 2klb           | 76.2 (3)   | 31.8 (1.25) | 25.4 (1)    | 50.8 (2)     | 13.4 (0.53)  | 1/2-20UNF-2B   |
| 2.5klb         | 76.2 (3)   | 31.8 (1.25) | 25.4 (1)    | 50.8 (2)     | 13.03 (0.51) | 1/2-20UNF-2B   |
| 3klb           | 76.2 (3)   | 31.8 (1.25) | 25.4 (1)    | 50.8 (2)     | 12.39 (0.49) | 1/2-20UNF-2b   |
| 5klb           | 108 (4.25) | 31.8 (1.25) | 25.4 (1)    | 76.2 (3)     | 27.18 (1.07) | 3/4-16UNF-2B   |
| 7.5klb         | 108 (4.25) | 31.8 (1.25) | 25.4 (1)    | 76.2 (3)     | 25.78 (1.01) | 3/4-16UNF-2B   |
| 10klb          | 108 (4.25) | 31.8 (1.25) | 25.4 (1)    | 76.2 (3)     | 23.88 (0.94) | 3/4-16UNF-2B   |
| 15klb          | 140 (5.51) | 31.8 (1.25) | 38.1 (1.31) | 100 (3.94)   | 31 (1.22)    | 1-14UNS-2B     |
| 20klb          | 177.8 (7)  | 50.8 (2.0)  | 50.8 (2.0)  | 125.5 (4.94) | 39.9 (1.57)  | 1 1/4-12UNF-2B |

# **C A M B R I D G E**

**\*THESE LOAD CELLS ARE USED ON MODEL: CSW-10AT-CS CRANE SCALES**

## **ZEMIC** **LOAD CELLS**

| <b><u>MODEL</u></b>        | <b><u>DESCRIPTION</u></b>              | <b><u>CAPACITY</u></b> | <b><u>LIST</u></b> |
|----------------------------|--|------------------------|--------------------|
| <b>H3F-N10-<br/>XX-6YT</b> | <b>“S” TYPE<br/>LOAD CELL<br/>NTEP</b> | <b>250 LB.</b>         | <b>\$ 250.</b>     |
|                            |  | <b>500 LB.</b>         | <b>\$ 250.</b>     |
|                            |  | <b>750 LB.</b>         | <b>\$ 250.</b>     |
|                            |  | <b>1,000 LB.</b>       | <b>\$ 250.</b>     |
|                            |  | <b>1,500 LB.</b>       | <b>\$ 250.</b>     |
|                            |  | <b>2,000 LB.</b>       | <b>\$ 270.</b>     |
|                            |  | <b>2,500 LB.</b>       | <b>\$ 270.</b>     |
|                            |  | <b>3,000 LB.</b>       | <b>\$ 270.</b>     |
|                            |  | <b>5,000 LB.</b>       | <b>\$ 390.</b>     |
|                            |  | <b>7,500 LB.</b>       | <b>\$ 390.</b>     |
|                            |  | <b>10,000 LB.</b>      | <b>\$ 390.</b>     |
| <b>15,000 LB.</b>          | <b>\$ 520.</b>                         |                        |                    |
| <b>20,000 LB.</b>          | <b>\$ 790.</b>                         |                        |                    |

**INTERCHANGE WITH:**  
**CELTRON TECHNOLOGY MODEL: STC**  
**SENSORTRONICS MODEL: 60001**  
**CN CELLS MODEL: PA6110**

**F.O.B.: HONEY BROOK, PA**

**PRICES EFFECTIVE: 01/01/18**

**PRICES SUBJECT TO CHANGE WITHOUT NOTICE**