# H14W

## FEATURES

- Tool steal IP66 compression load cell
- Epoxy coated
- Cable suitable for application with higher temperatures up to 130°C
- Low profile
- Double bridge option from 13t and up



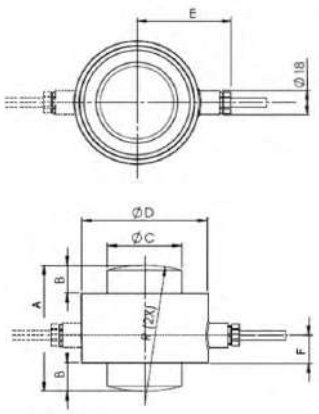

## AVAILABLE MODELS

| Capacity | Accuracy | Full article description |
|---|---|---|
| 2.8 t | G1/G2 | H14W-G1/G2-2.8t-6B |
| 6 t | G1/G2 | H14W-G1/G2-6t-6B |
| 13 t | G1/G2 | H14W-G1/G2-13t-6B |
| 28 t | G1/G2 | H14W-G1/G2-28t-6B |
| 60 t | G1/G2 | H14W-G1/G2-60t-6B |
| 130 t | G1/G2 | H14W-G1/G2-130t-6B |
| 280 t | G1/G2 | H14W-G1/G2-280t-6B |
| 350 t | G1/G2 | H14W-G1/G2-350t-6B |
| 500 t | G1/G2 | H14W-G1/G2-500t-6B |

## SPECIFICATION

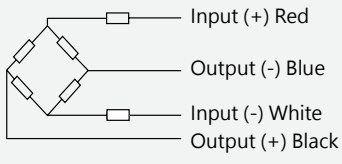
| | | G1 | | G2 | |
|---|---|---|---|---|---|
| Accuracy class | | | | | |
| Output sensitivity (=FS) | mV/V | 1.5 ± 0.008 | 1.5 ± 0.1 | 1.5 ± 0.008 | 1.5 ± 0.1 |
| Maximum capacity (Emax) | t | 2.8/6/13/28/60/130/280 | 350/500 | 2.8/6/13/28/60/130/280 | 350/500 |
| Combined error | %FS | ± 0.100 | | ± 0.200 | |
| Minimum dead load | %FS | 0 | | | |
| Hysteresis | %FS | ± 0.050 | | ± 0.100 | |
| Minimum dead load output return | %FS | ± 0.050 | | ± 0.070 | |
| Creep error (30 minutes) | %FS | ± 0.060 | | ± 0.080 | |
| Creep error (20-30 minutes) | %FS | ± 0.015 | | ± 0.020 | |
| Temperature effect on Minimum dead load output | %FS/10°C | ± 0.05 | | ± 0.05 | |
| Temperature effect on output | %FS/10°C | ± 0.5 | | ± 0.5 | |
| Safe overload | %FS | 150 | | | |
| Ultimate overload | %FS | 300 | | | |
| Zero balance | %FS | ± 1.5 | | | |
| Excitation, recommended voltage | V | 5 ~ 12 (DC) | | | |
| Excitation maximum | V | 15 (DC) | | | |
| Input resistance | Ω | 275 ± 5 (760 ± 7 for 350t and 500t) | | | |
| Output resistance | Ω | 245 ± 0.2 (700 ± 3.5 for 350t and 500t) | | | |
| Insulation resistance | MΩ | ⩾ 5000 (50VDC) | | | |
| Compensated temperature | °C | -10 ~+40 | | | |
| Operating temperature | °C | -35 ~ +65 | | | |
| Storage temperature | °C | -40 ~ +70 | | | |
| Element material | | Tool steal painted | | | |
| Ingress protection (according to EN 60529) | | IP68 | | | |
| ATEX classification (optional) | | II1G Ex ia IIC T4 | II1D Ex iaD 20 T73°C | II3G Ex nL IIC T4 | |

## DIMENSIONS IN MM




| Dimension Capacity | A | B | ΦC | ΦD | E | F | R |
|---|---|---|---|---|---|---|---|
| 2.8t, 6t | 56 (2.20) | 8 (0.31) | 16.7 (0.66) | 45 (1.77) | 40.5 (1.59) | 20 (0.79) | 50 (1.97) |
| 13t | 68 (2.68) | 12 (0.47) | 24.5 (0.96) | 55 (2.17) | 45.5 (1.79) | 20 (0.79) | 66 (2.60) |
| 28t | 74 (2.91) | 14 (0.55) | 36 (1.42) | 64 (2.52) | 50 (1.97) | 20 (0.79) | 72 (2.83) |
| 60t | 90 (3.54) | 20 (0.79) | 52.7 (2.07) | 90 (3.54) | 63 (2.48) | 20 (0.79) | 100 (3.94) |
| 130t | 116 (4.57) | 26 (1.02) | 77.5 (3.05) | 121 (4.76) | 78.5 (3.09) | 20 (0.79) | 125 (4.92) |
| 280t | 170 (6.69) | 45 (1.77) | 114 (4.49) | 165 (6.50) | 100.5 (3.96) | 20 (0.79) | 183 (7.20) |
| 350t | 240 (9.45) | 40 (1.57) | 132 (5.20) | 202 (7.95) | 127 (5.0) | 50 (1.97) | 325 (12.80) |
| 500t | 275 (10.83) | 47 (1.85) | 155 (6.10) | 236 (9.29) | 144 (5.67) | 50 (1.97) | 450 (17.72) |

## WIRING




- Shielded, 4 conductor cable.
- Cable diameter: Φ6mm.
- Standard cable length for 2.8t - 6t: 6m, for 13t - 60t: 15m and for 130t - 500t: 20m.
- Shield is not connected to element.