



### DIMENSIONS

| RATED CAPACITY                                    | C(wire rope) | H    | L     | W    |
|---|--------------|------|-------|------|
| <b>kN/mm</b>                                      |              |      |       |      |
| 10  | 6-14         | 28.0 | 160.0 | 60.0 |
| 20  | 10-18        | 28.0 | 160.0 | 60.0 |
| 50  | 16-26        | 34.0 | 180.0 | 68.0 |
| 100-140   | 24-36        | 40.0 | 200.0 | 80.0 |
| 200   | 24-36        | 46.0 | 240.0 | 90.0 |
| <b>kN/inches</b> (conversion of above dimensions) |              |      |       |      |
| 10  | 0.24-0.55    | 1.10 | 6.30  | 2.36 |
| 20  | 0.39-0.71    | 1.10 | 6.30  | 2.36 |
| 50  | 0.63-1.02    | 1.34 | 7.09  | 2.68 |
| 100-140   | 0.94-1.42    | 1.57 | 7.87  | 3.15 |
| 200   | 0.94-1.42    | 1.81 | 9.45  | 3.54 |

### SPECIFICATIONS

|                          |                |                                      |                               |            |
|--------------------------|----------------|--------------------------------------|-------------------------------|------------|
| <b>Full Scale Output</b> | 1.0 - 1.5 mV/V | <b>Element Material</b>              | Alloy Steel, Nickel Plated    |            |
| <b>Zero Balance</b>      | < ± 1%         | <b>Recommended Excitation</b>        | 10V                           |            |
| <b>Non-linearity</b>     | < ± 0.3%       | <b>Insulation Resistance</b>         | > 5 [ 50V DC ] GΩ             |            |
| <b>Repeatability</b>     | < ± 0.3%       | <b>Compensated Temperature Range</b> | -20°C to 65°C / -4°F to 149°F |            |
| <b>Hysteresis Error</b>  | < ± 0.3%       | <b>Safe Overload</b>                 | 150% of full scale            |            |
| <b>Creep in 30 min.</b>  | < ± 0.05%      | <b>Seal Type / IP Rating</b>         | Environmentally Sealed / IP67 |            |
| <b>Input Resistance</b>  | 800 Ω ± 50     | <b>Cable Color Code</b>              | Exc+ Red                      | Exc- Black |
| <b>Output Resistance</b> | 700 Ω ± 10     |                                      | Sig+ Green                    | Sig- White |

### PART NUMBER\*

| Rated Capacity | Part No.         | Weight (kg) Approx. |
|----------------|------------------|---------------------|
| 10kN.....      | 107CH-10kN.....  | 2.2                 |
| 20kN.....      | 107CH-20kN.....  | 2.2                 |
| 50kN.....      | 107CH-50kN.....  | 3.5                 |
| 100kN.....     | 107CH-100kN..... | 5.2                 |
| 200kN.....     | 107CH-200kN..... | 8.5                 |

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

FORCE MEASUREMENT LOAD CELL