

Compression Load Cell

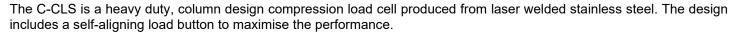
Features

- Capacities 30tf 500tf.
- Linearity ±0.023% RO.
- IP68 rating.
- Optional connector output.

Applications

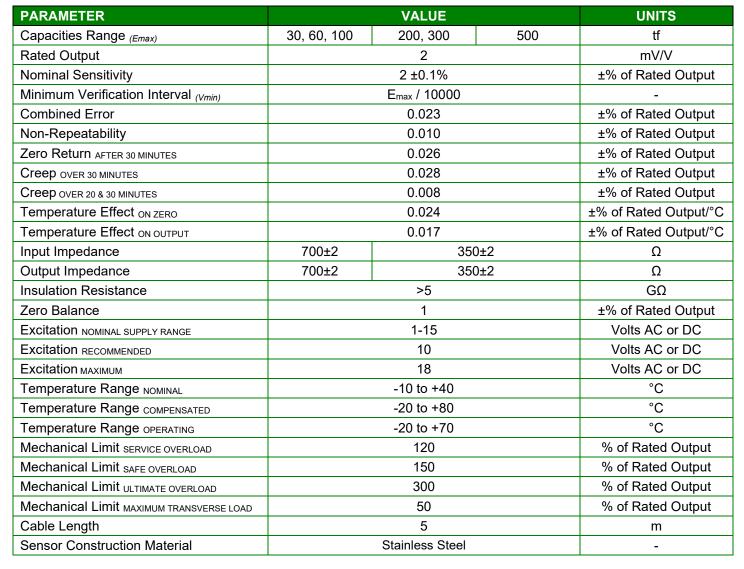
- · Heavy duty weighing.
- Rolling mills.
- Industrial platforms.
- Test rigs.





For optimum performance, PCM include the loading head for the C-CLS as standard for all quotations issued. If you would like the parts to be itemised on the quote, please let us know at the enquiry stage.





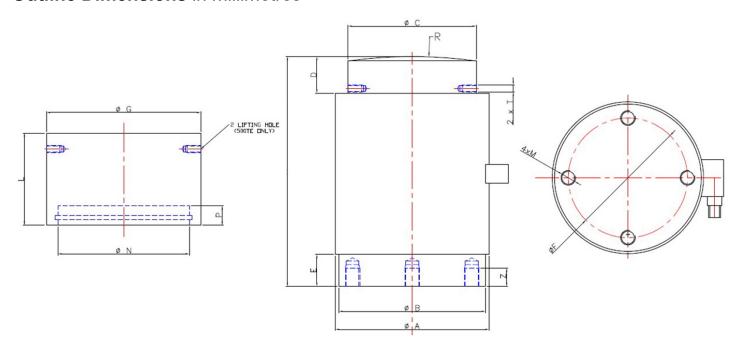




Compression Load Cell

| PARAMETER | | VALUE | UNITS | | |
|--------------------------|---|-------|-------|-----|--|
| Environmental Protection | | - | | | |
| Weight | 7 | 16 | 31 | ~KG | |

Outline Dimensions in millimetres



| CAPACITY (tf) | ØA | ØВ | ØC | D | Е | F | ØG | Н | L | M | ØN | Р | R | T | Z |
|---------------|---------|-----|-----|----|----|-----|-----|-----|-----|-----|-----|----|-----|----|----|
| 30 | | | 76 | 15 | 15 | 70 | 102 | 165 | 65 | M8 | 79 | 12 | 200 | 1 | |
| 60 | 102 | 94 | | | | | | | | | | | | | 16 |
| 100 | | | | | | | | | | | | | | | |
| 200 | 129 122 | 122 | 106 | 20 | 14 | 90 | 129 | 215 | 80 | M12 | 109 | 17 | 350 | 1 | 18 |
| 300 | | 122 | | | | | | | | | | | | | |
| 500 | 168 | 160 | 140 | 35 | 35 | 130 | 168 | 250 | 100 | M16 | 143 | 21 | 500 | M8 | 20 |

If the dimensions or specification do not suit, PCM has an in-house design team that should be able to satisfy your requirements.

Wiring Details

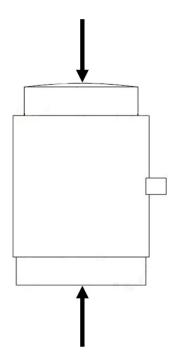
| SCHEMATIC DIAGRAM | OUTPUT | CABLE ⁽¹⁾ | MIL7M OPTIONAL | M12 ⁽²⁾ OPTIONAL |
|-------------------|--------------|----------------------|----------------|-----------------------------|
| <u> </u> | EXCITATION + | RED | С | 1 |
| | SENSE + | ORANGE | F | 5 |
| | OUTPUT + | WHITE | A | 3 |
| | EXCITATION - | BLACK | В | 2 |
| | SENSE - | BLUE | G | 6 |
| ~~~ | OUTPUT - | YELLOW | D | 4 |
| \ <u>\</u> | | SHIELD | E | 8 |

⁽¹⁾ PVC 105°C shielded cable, Ø5.2mm with 4 tinned Ø0.25mm² conductors. Shield connected to the body of the load cell. (2) M12 OPTION: Supplied with mating female 8 poles straight M12x1 connector, complete with 5m PVC 80°C shielded cable, Ø5.2mm with 6 tinned Ø0.25mm² conductors.



Compression Load Cell

Loading Mode



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