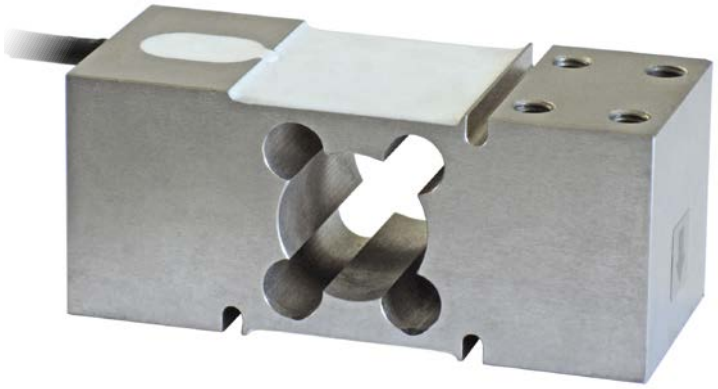
# PEC

## SINGLE-POINT LOAD CELL for platforms 600x600 mm

Manufactured according to OIML R60 standards

### Capacity from 75 kg to 500 kg



- AISI 420 STAINLESS STEEL
- COMBINED ERROR ≤ ±0.02%
- IP67 PROTECTION RATING

| CAPACITY kg | PLATFORM (mm) | NET WEIGHT (kg) |
|---|---|---|
| 75 | 600 x 600 | 1.8 |
| 150 | 600 x 600 | 1.8 |
| 300 | 600 x 600 | 2 |
| 500 | 600 x 600 | 2 |

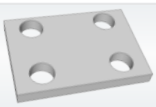
## CERTIFICATIONS

Complies with the Eurasian Customs Union regulations

Equivalent of the CE marking for the United Kingdom

| CERTIFICATIONS ON REQUEST | |
|---|---|
| | Calibration report |
| | ATEX *(zone 2-22)* |
| | Complies with the Eurasian Customs Union regulations for use in potentially explosive atmospheres |
| | Complies with Chinese market regulations for use in potentially explosive atmospheres |

## COMPLEMENTARY ACCESSORIES

| | DESCRIPTION | MODEL |
|---|---|---|
|  | Stainless steel drawn block. | BLOCPEC |

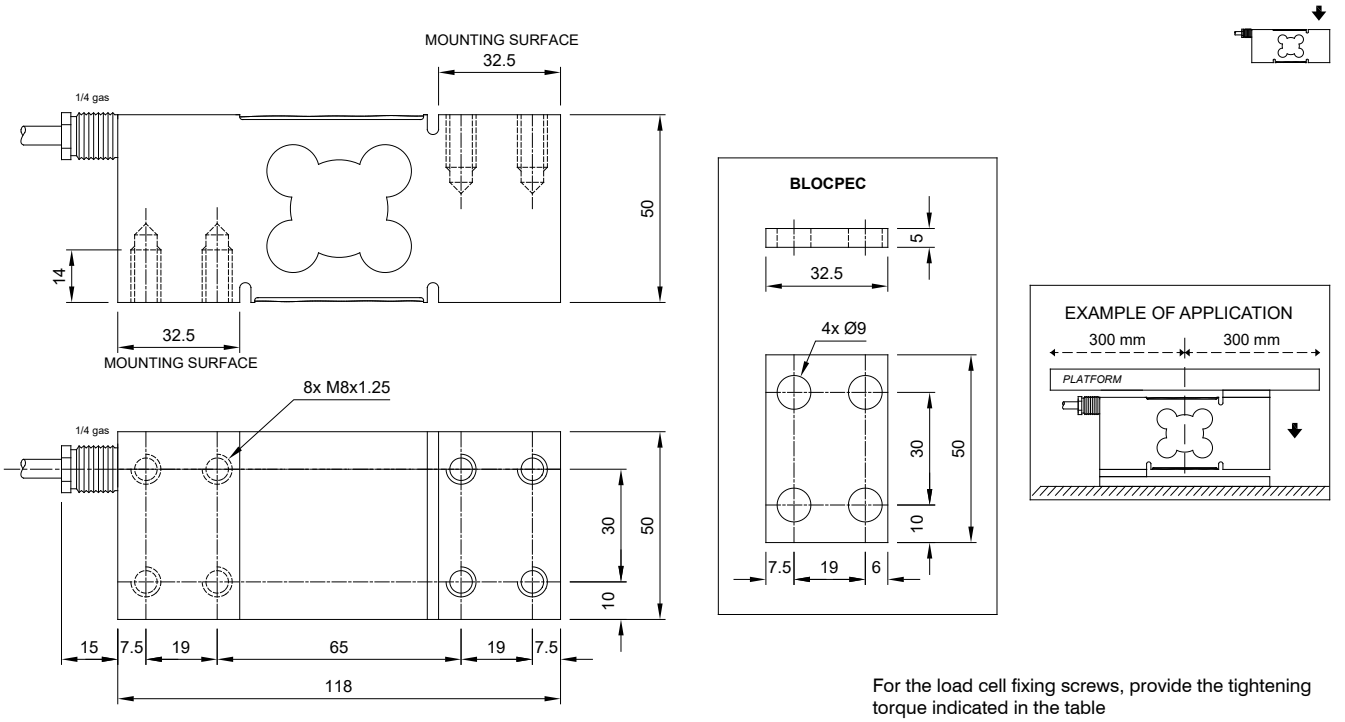
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• SALES DEPARTMENT: sales@laumas.it
• Phone: (+39) 0521 683124

# PEC

## SINGLE-POINT LOAD CELL for platforms 600x600 mm

LAUMAS®

### DIMENSIONS (mm)




For the load cell fixing screws, provide the tightening torque indicated in the table

| Screw | M8 | |
|---|---|---|
| Screw class | 6.8 | 8.8 |
| Tightening torque | 19 Nm | 25 Nm |

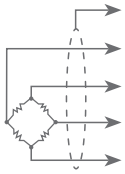
### TECHNICAL FEATURES

| | |
|---|---|
| Material | AISI 420 stainless steel |
| Nominal load (E max) | 75 - 150 - 300 - 500 kg |
| Combined error | ≤ ±0.02% |
| Protection rating | IP67 |

| | | | |
|---|---|---|---|
| Rated output | 2 mV/V ±10% | Input resistance | 385 Ω ±30 |
| Temperature effect on zero | 0.002% °C | Output resistance | 350 Ω ±5 |
| Temperature effect on span | 0.002% °C | Zero balance | ±1% |
| Compensated temperature range | -10 °C / +40 °C | Insulation resistance | >5000 MΩ |
| Operating temperature range | -20 °C / +60 °C | Safe overload (% of full scale) | 150% |
| Creep at nominal load in 30 minutes | 0.02% | Ultimate overload (% of full scale) | 300% |
| Max supply voltage without damage | 15 V | Deflection at nominal load | 0.3 mm |

### ELECTRICAL CONNECTIONS

| | |
|---|---|
| Cable length | 3 m |
| Cable diameter | 5 mm |
| Cores | 6 x 0.20 mm² |



| | |
|---|---|
| SHIELD | |
| + SIGNAL | GREEN |
| + EXCITATION<br>+ REF./SENSE | RED<br>BLUE |
| - SIGNAL | WHITE |
| - EXCITATION<br>- REF./SENSE | BLACK<br>YELLOW |

*The Company reserves the right to make changes to the technical data, drawings and images without notice.*

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