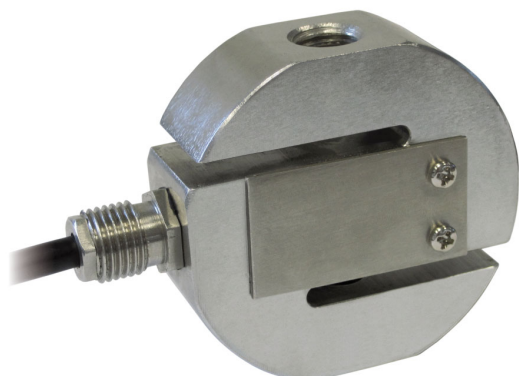




Manufactured according to OIML R60 standards

### Capacity from 50 kg to 300 kg



### Capacity from 500 kg to 5000 kg



- AISI 420 STAINLESS STEEL
- COMBINED ERROR  $\leq \pm 0.03\%$
- IP67 PROTECTION RATING

| CAPACITY | kg | NET WEIGHT (kg) |
|----------|----|-----------------|
| 50       |    | 0.7             |
| 100      |    | 0.7             |
| 200      |    | 0.7             |
| 300      |    | 0.7             |
| 500      |    | 0.7             |
| 1000     |    | 1.4             |
| 2500     |    | 1.4             |
| 5000     |    | 2.7             |

### CERTIFICATIONS



Complies with the Eurasian Customs Union regulations



Equivalent of the CE marking for the United Kingdom

#### CERTIFICATIONS ON REQUEST

Calibration report

LAT Accredia calibration certificate ISO 376 or ASTM E74 for capacities from 1000 kg to 10000 kg



ATEX II 1G 2D (zone 0-1-2-21-22) (CE - UK)



IECEx (zone 0-1-2-20-21-22)



Complies with the Eurasian Customs Union regulations for use in potentially explosive atmospheres

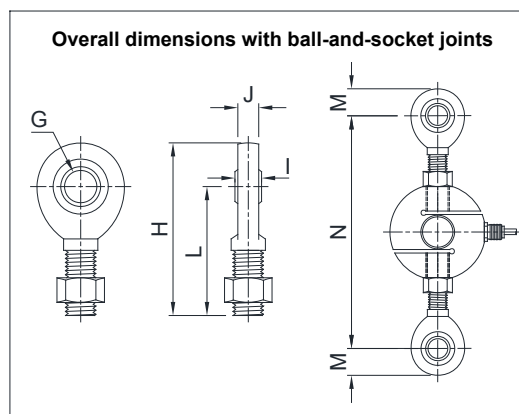
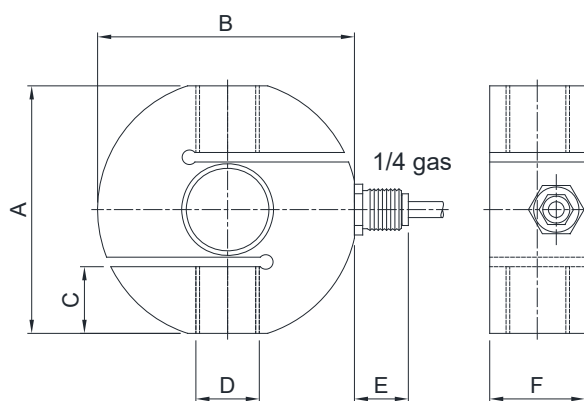


Complies with Chinese market regulations for use in potentially explosive atmospheres

### COMPLEMENTARY ACCESSORIES

|                                                                                   | DESCRIPTION                     | DIMENSIONS | LOAD CELL CAPACITY | CODE    |
|-----------------------------------------------------------------------------------|---------------------------------|------------|--------------------|---------|
|  | Ball-and-socket joint with nut: |            |                    |         |
|                                                                                   | stainless steel                 | M12x1.75   | 50-500 kg          | EM-INOX |
|                                                                                   |                                 | M16x2      | 1000 kg            |         |
|                                                                                   |                                 | M20x1.5    | 2500 kg            |         |
|                                                                                   |                                 | M24x2      | 5000 kg            |         |
|                                                                                   | galvanized C45 steel            | M12x1.75   | 50-500 kg          | EM      |
|                                                                                   |                                 | M16x2      | 1000 kg            |         |
|                                                                                   |                                 | M20x1.5    | 2500 kg            |         |
|                                                                                   |                                 | M24x2      | 5000 kg            |         |

### DIMENSIONS (mm)



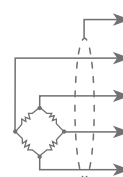
|                 | A    | B    | C    | D        | E  | F  | G   | H     | I  | J    | L    | M    | N (≈) |
|-----------------|------|------|------|----------|----|----|-----|-------|----|------|------|------|-------|
| 50 kg<br>500 kg | 59.5 | 63.5 | 14.5 | M12x1.75 | 17 | 22 | Ø12 | 71    | 10 | 8.5  | 54.5 | 16.5 | 140   |
| 1000 kg         | 78   | 82   | 21   | M16x2    | 17 | 30 | Ø17 | 92    | 14 | 11.5 | 69.5 | 22.5 | 176   |
| 2500 kg         | 78   | 82   | 21   | M20x1.5  | 17 | 30 | Ø20 | 104.5 | 16 | 13.5 | 77.5 | 27   | 191   |
| 5000 kg         | 90   | 102  | 24   | M24x2    | 17 | 45 | Ø25 | 126   | 20 | 17.5 | 94.5 | 31.5 | 230   |

### TECHNICAL FEATURES

|                                     |                                                    |                                     |                     |
|-------------------------------------|----------------------------------------------------|-------------------------------------|---------------------|
| Material                            | AISI 420 stainless steel                           |                                     |                     |
| Nominal load (E max)                | 50 - 100 - 200 - 300 - 500 - 1000 - 2500 - 5000 kg |                                     |                     |
| Combined error                      | $\leq \pm 0.03\%$                                  |                                     |                     |
| Protection rating                   | IP67                                               |                                     |                     |
| Rated output                        | 2 mV/V $\pm 0.4\%$                                 | Input resistance                    | 385 $\Omega \pm 30$ |
| Temperature effect on zero          | 0.0025% $^{\circ}\text{C}$                         | Output resistance                   | 350 $\Omega \pm 10$ |
| Temperature effect on span          | 0.0025% $^{\circ}\text{C}$                         | Zero balance                        | $\pm 2\%$           |
| Compensated temperature range       | -10 $^{\circ}\text{C}$ / +40 $^{\circ}\text{C}$    | Insulation resistance               | >2000 M $\Omega$    |
| Operating temperature range         | -20 $^{\circ}\text{C}$ / +60 $^{\circ}\text{C}$    | Safe overload (% of full scale)     | 150%                |
| Creep at nominal load in 30 minutes | 0.03%                                              | Ultimate overload (% of full scale) | 250%                |
| Max supply voltage without damage   | 15 V                                               | Deflection at nominal load          | 0.4 mm              |

### ELECTRICAL CONNECTIONS

|                |                          |
|----------------|--------------------------|
| Cable length   | 10 m                     |
| Cable diameter | 6 mm                     |
| Cores          | 6 x 0.20 mm <sup>2</sup> |



SHIELD

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