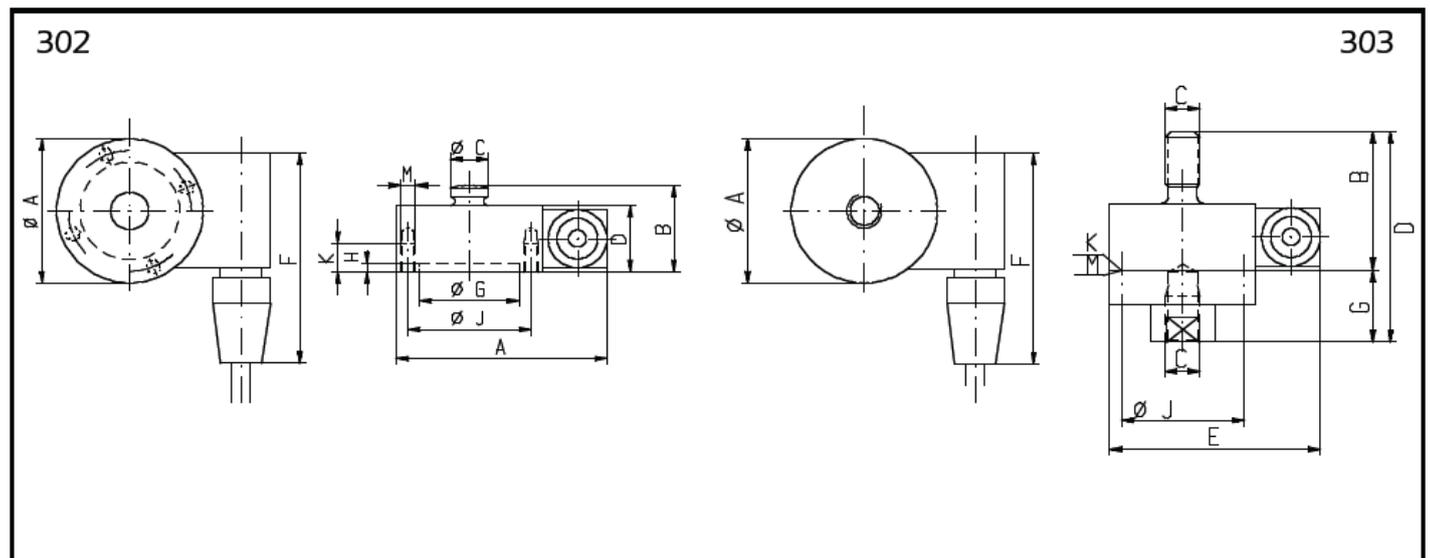# Model 302/303
## 测力传感器

- 外形小巧
- 便于安装
- 高精度
- 动态应用

**TesT** 公司的302和303系列力传感器，常用于空间狭窄且测试精度要求高的场合。传感器由高质不锈钢制成，302型用于压力测试，303型用于拉力和压力测试，两种型号传感器均可在*QM*（质量管理）体系中作为标准传感器使用。



| Series | | 302 - 303 |
|---|---|---|
| Class | | M |
| Nominal sensitivity | mV/V | 2 |
| Sensitivity tolerance | % | ≤ 0,1 |
| Nonlinearity | % | ≤ 0,04 |
| Variation | % | ≤ 0,02 |
| Combined error | % | ≤ 0,1 |
| Reference temperature | °C | 21 |
| Nominal temperature range | °C | -10...+40 |
| Creep error after 30 min. | % | ≤ 0,05 |
| Creep error after 8 min. | % | ≤ 0,07 |
| Temperature coefficient of the zero signal | % | ≤ 0,01 |
| per 10K within the nominal temperature range | | |
| Temperature coefficient of the sensitivity | % | ≤ 0,005 |
| per 10K within the nominal temperature range | | |
| Stock temperature range | °C | -20...+70 |
| Output resistance at reference temperature | W | 750 ±25 |
| Input resistance at reference temperature | W | 700 ± 2 |
| Isolation resistance at reference temperature | GW | > 5 |
| Maximum input voltage | V | 15 |
| Nominal range of input voltage | V | 1...10 |
| Break load in reference to nominal load | % | ≥ 250 |
| Max. allowance for dynamic load | % | ≥150 |
| Protection class | | IP 67 |

| | Range in kN Dimensions in mm | |
|---|---|---|
| | Modell 302 | Modell 303 |
| | 1 | 1 |
| | 2 | 2 |
| | 5 | 5 |
| | 10 | 10 |
| A | 50 | 50 |
| B | 30 | 47 |
| C | 13 | M12 |
| D | 23 | 72 |
| E | 72,5 | 72,5 |
| F | 74 | 74 |
| G | 34 | 25 |
| H | 3 | - |
| J | 42 | 42 |
| K | 10 | 10 |
| M | M 5 | M 5 |

White = Sense +
Red = Input +
Blue = Input -
Yellow = Output +
Green = Output -
Black = Sense -
Metal shield