

Seatbelt Press Force Sensor SBP-20N/SBP-800N

- Apply to seatbelt press force on dummy during test;
- Available in two range 20N and 800N;
- Lightweight design, easy to operate;
- Includes high-precision strain gauge sensor unit;
- Sensor unit and components are easily disassembled;
- Connector and ID can be configured as required;
- Compatible with digital displays or data acquisition device.

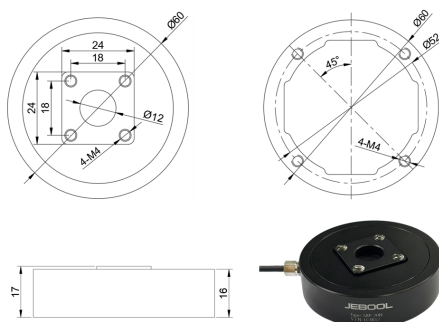


The seatbelt press force sensor includes a high-precision sensor unit combined with fixture, making it convenient to measure press force by seat belts on dummy. The fixture has a height gauge, and easy to measure the seatbelt lifting height. During testing, the components can be disassembled as needed, retaining only the necessary parts to meet specific application requirements.

Specifications (Measured at 5V and 25°C):

| Name | Unit | Value |
|-------------------|------------|-------------------------------|
| Range | N | 20N@SBP-20N 800N@SBP-800N |
| Safe Overload | % | 120 |
| Non-Linearity | %FS | 0.1%@SBP-20N 0.2%@SBP-800N |
| Repeatability | %FS | 0.1 |
| Excitation | V | 5~12 |
| Span Output | mV/V | 0.25@SBP-20N 2.0@SBP-800N |
| Bridge Resistance | Ω | 700-800 |
| Insulation | M Ω | >100 |

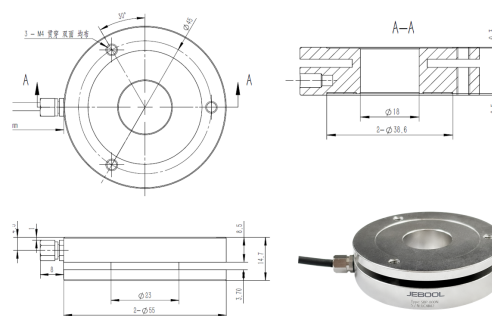
SBP-20N key strain gauge sensor unit:



SBP-20N Sensor Assembly:



SBP-800N key strain gauge sensor unit:



SBP-800N Sensor Assembly:

