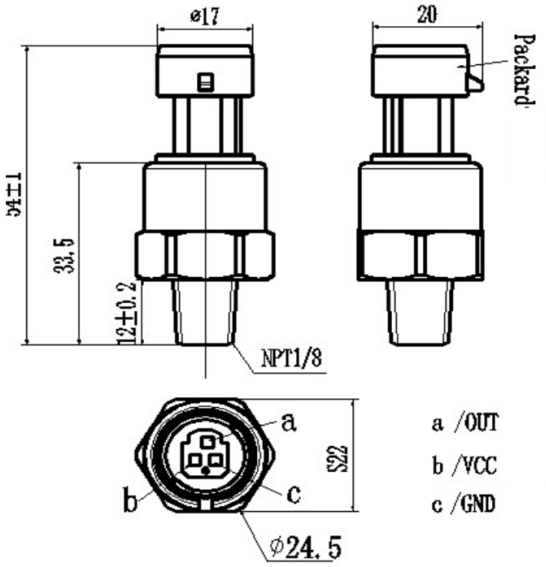
# NPTP-OK pressure sensor

## FEATURES AND APPLICATIONS

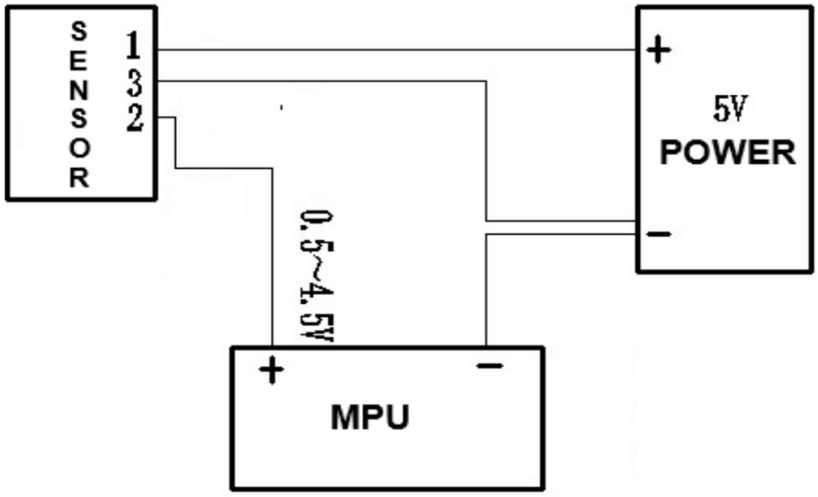
Using stainless steel shell, advanced pressure ceramic core and dedicated processing chip;
High precision, small size, light weight, easy to install and operate;
Stable performance, long-term drift, long life;
Perfect EMC protection;
Matching models: Universal.



**Size/Definition**




**Peripheral connection**




**Technical parameter reference table**

Part number：NP-TP-OK
Material：Stainless steel
Power supply voltage/Supply: 5VDC
Thread interface：NPT1/8
Range：0～30、80、100、150…5000PSI
Output signal / OUT: 0.5 ~ 4.5V
Burst pressure：3 times the pressure of full scale
Blowout prevention level：IP65
Response time: < 10ms
Process：Piezoresistive type
Output type: Simulation
Output: Three-wire system
Pressure overload：2 times the pressure of full scale

**Comprehensive precision(nonlinear, repeatability and Hysteresis:**

±1.0% FS (0～80°C)
±1.5% FS (-20～100°C)
±3.0% FS (-40～125°C)

Electrical connections: Three Pin Packard connector or related connector

**Product Models**

| Model | **NPTP** - ceramic core | | | **NPGP** - bare silicon core | | **NPCP** - Flushing core | |
|---|---|---|---|---|---|---|---|
| | U Type | **K:** kPa; **P:** PSI; **B:** bar; **M:** MPa | | | | | |
| | | Precision | **1:** 1% FS; **2:** 0.5% FS; **3:** 0.25% FS; | | | | |
| | | | Output Signal | **V1:** 0.5-4.5V; **V2:** 0-5V; **V3:** 0-10V; **V4:** 1-5V; **A:** 4-20mA; **I:** I2C; **S:** RS485; **S0:** custom | | | |
| | | | | Supply Voltage | **P1:** 5VDC; **P2:** 9-32VDC; **P3:** 12-24VDC; **P4:** 3.3V; **P0:** custom | | |
| | | | | | Connection Type | **G1:** G1/8; **G2:** G1/4; **G3:** G1/2; **N1:** NPT1/8; **N2:** NPT1/4; **M1:** M10*1; **M2:** M14*1.5; **M3:** M20*1.5; **M0:** custom | |
| | | | | | | Electric Connection | **W1:** PACK head; **W2:** Plastic straight **W3:** Metal PG; **W4:** snall Hessman **W5: Large** Hessman; **W6:** Air plug |
| NPTP | 150P | 1 | V4 | P3 | N1 | W1 | order code |