

TQG14A Pressure Transmitter

I. Application

With sensing element imported from Motorola in the US, when external pressure is applied on the sensitive core area, through single technology processing, 0~5V DC voltage signal is output. This transmitter can be used directly with monitor system of locomotives, and thus realizing automatic measurement and control during locomotive running. This product also can be used for gas pressure and oil pressure control in other industrial control fields.

II. Main Technical Parameters

1. Operating temperature range: $-25^{\circ}\text{C} \sim +70^{\circ}\text{C}$
2. Storage temperature range: $-40^{\circ}\text{C} \sim +85^{\circ}\text{C}$
3. Measuring range: 0~1000kPa
4. Output signal: 0~5V_{DC}
5. Transmission mode: 3-wire system
6. Accuracy: $\pm 0.5\% V_{FS}$ within $0 \sim 50^{\circ}\text{C}$
 $\pm 1\% V_{FS}$ within $-25 \sim 0^{\circ}\text{C}$ and $50 \sim 70^{\circ}\text{C}$
7. Output load: $\geq 2\text{k}\Omega$
8. Supply voltage: $15\text{V}_{DC} \pm 20\%$
9. Current consumption: $\leq 15\text{mA}$
10. Insulation resistance: $\geq 20\text{M}\Omega$
11. Dielectric strength: the external wire to the shell, 500Vac RMS@50Hz, 1min
12. Pipeline interface: M18×1.5



III. Outline Measurement

