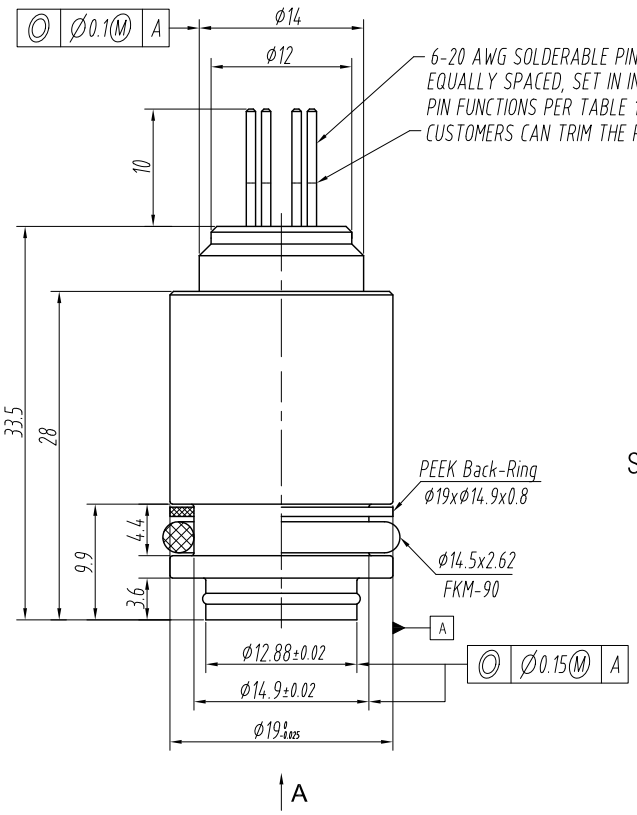


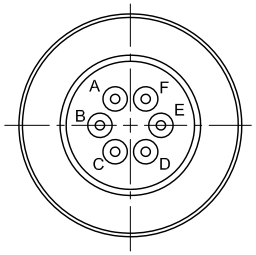
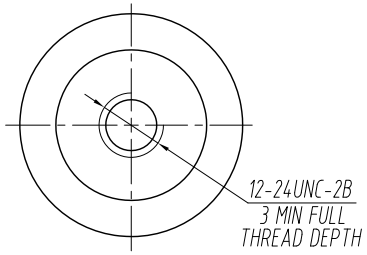


TABLE 1

PIN	FUNCTION	
A	+ EXCITATION	
B	+ SIGNAL	
C	- SIGNAL	
D	- EXCITATION	
E	RTD	Pt1000
F	RTD	

View A



SPECIFICATION

1. Mechanical:
   - Capacity: 0-20K,25K,30KPSI, Gage pressure;
   - Proof Pressure: 125%F.S.;
   - Pressure Media: Any compatible with alloy Inconel® 718 solution annealed and aged to a minimum hardness of HRC40;
   - Material: NACE-compliant Inconel® 718 Alloy;
   - Weight: 56g nominal ;
2. Electrical:
   - Excitation: 5VDC;
   - Bridge resistance: 1.5KΩ to 4.5KΩ;
   - Output at zero pressure: ±2mV@5V and +25°C;
   - Full scale (F.S.) sensitivity: (4±1) mV/V;
   - Electrical Connections: A=+Excitation, B=+Signal, C=-Signal, D=-Excitation, E\F = Pt1000 RTD
   - Insulation resistance: All conductors together to case, ≥1GΩ@100VDC and +25°C;
3. Accuracy:
   - Non-Linearity: 0.10%FSO (BFSL[Note1] Method over the entire operating temperature range) ;
   - Non-Repeatability: ±0.08%FSO at (25±5)°C, ±0.15%FSO at (200±5)200°C;
   - Hysteresis error: : ±0.15%FSO at (25±5)°C, ±0.2%FSO at 200°C;
   - Long-term stability: ±0.1% FSO per year[Note2];
   - Sustained pressure/temperature stability:
   - When pressurized to full scale pressure at 200°C, full scale output will not shift more than ± 0.02%FSO in 7 days, nor more than ± 0.05%FSO in 30 days.
   - Zero offsets: less than 25 psi at 25°C over 6-month period.
4. Environmental
   - Working temperature range: -40°C to +232°C(450°F);
   - Thermo drift of zero: ±0.015%FSO Per °C;
   - Thermo drift of sensitivity: ±0.025%FSO Per °C;
   - Error due to combined effect of shock, vibration and acceleration shall be less than 0.01% of FSO per g;
   - Vibration: 10g(RMS),10Hz ~ 200Hz;
   - Shock:1000g@1mS, half-sine acceleration.

Note1. Best-Fit Straight Line method.

Note2. The long-term stability refers to the drift of the full scale output(FSO) value of the product under the same environmental conditions, otherwise specified.

UNLESS OTHERWISE SPECIFIED
TOLERANCE UNLESS NOTED:
X. ± 0.3
.X ± 0.2
.XX ± 0.1
ANGLES: ± 0.5°
3.2 FINISH ALL SURFACES DEBURR
BREAK ALL SHARP EDGES
CONCENTRICTY OF DIA'S WITH COMMON C.L.
DIMENSIONS ARE IN MM UNLESS OTHERWISE SPECIFIED
OTHER STANDARDS MAY APPLY

	BY	DATE
DRAWN		2024/3/14
CHECKED		
APPROVED		
WEIGHT	56g	
FIRST ANGLE PROJECTION		

HYDRAULIC Beijing HaiZhuoLiKang Technology Co., Ltd.

Gage Pressure Sensor

SIZE	DWG NO.	MATERIAL	REV.
A4	XXXX-XX-450	Inconel® 718	INIT. REL.
SCALE	DO NOT SCALE	SHEET: 1 OF 1	