

SPECIFICATION

1. Mechanical:

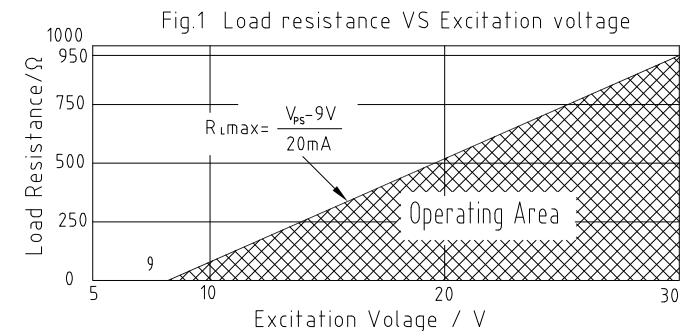
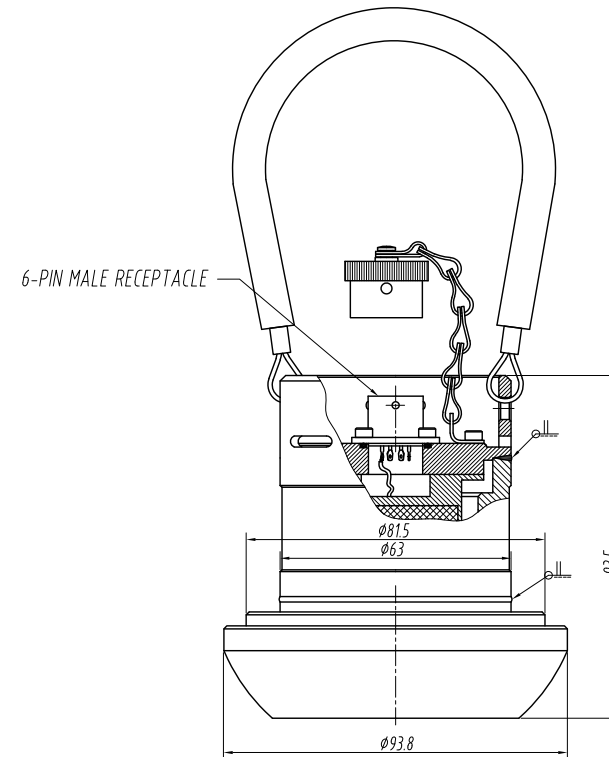
- Capacity: 0 to 5K, 6K, 8K, 10K, 15K PSIG;
- Proof Pressure: 1.8 times of FSPR (Full Scale Pressure Range)
- Pressure Media: Any compatible with alloy Inconel® 718 solution annealed and aged to a minimum hardness of HRC40;
- Burst Pressure: 3 times FSPR or upper-limit of Weco® wing union 1502 fitting;
- Pressure port: male sub end of wing union 2 inch #1502;
- Enclosure material: 17-4PH (Ansi 630 Precipitated hardened stainless steel);
- Wetted Material: NACE-compliant Inconel® 718 Alloy;
- Weight: 2.10kg nominal;

2. Electrical:


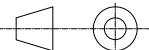
- Excitation: 9 Vdc to 30 Vdc;
- Output: 4 mA to 20 mA, two-wire;
- Max. loop resistance: $950\Omega @ 30V$ decreasing linearly to $0\Omega @ 9V$ [Fig 1];
- Calibration: 5-point calibration: 0%, 50%, and 100% of full scale;
- Resolution: Infinite;
- Response time ≤ 2.5 mSec to reach 90% of FSO;
- Electrical Connection: 6-pin glass-to-metal sealed male receptacle [Note1];
- Wiring code: A = + Excitation, B = + Signal (4-20mA), F = Case;
- Insulation resistance: $> 100 M\Omega$ to case ground;
- Circuit protection: Reverse polarity protected, 58Vdc TVS's (Transient Voltage Suppressors) are configured between circuit ground and case ground;
- RFI/EMI protection: Noise immunity from 5000 Hz to 1 GHz;

3. Accuracy:

- Nonlinearity: $\pm 0.35\%$ FSO (Best Fit Straight Line);
- Long-term stability: $\leq \pm 0.25\%$ FSO per 6 months;
- Operating temperature Range: -67°F to $+185^\circ\text{F}$ (-55°C to 85°C)
- Storage temperature limits: -67°F to $+221^\circ\text{F}$ (-55°C to 105°C)
- Temperature effect on zero: $\pm 0.01\%$ FSO/ $^\circ\text{C}$ (Over entire operating temp. range);
- Temperature effect on span: $\pm 0.025\%$ FSO/ $^\circ\text{C}$ (Over entire operating temp. range).



Note1. The receptacle is customizable according to customer's field demanding, but the receptacle should be water-proof, so as to keep the IP grade of the hammer union sensor is IP68.

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 CONCENTRICITY OF DIA'S WITH COMMON C.L. DIMENSIONS ARE IN MM UNLESS OTHERWISE SPECIFIED OTHER ENTERPRISE STANDARDS MAY APPLY	BY		DATE		 Beijing HaiZhuoLiKang Technology Co., Ltd.			
	DRAWN		2019/7/4					
	CHECKED				Hammer Union Pressure Sensor			
	APPROVED							
WEIGHT		2100g		SIZE	DWG NO.	MATERIAL	REV.	
FIRST ANGLE PROJECTION 				A3	1502	Inconel® 718	INIT. REL.	
				SCALE	DO NOT SCALE	SHEET: 1 OF 1		