

MPT221LT Cryogenic liquid nitrogen pressure sensor

Model: MPT221LT

Category: Low temperature Pressure sensor

Range: 0-10~400bar

Temperature: -196℃~+125℃

Signal output: mv/v, 0-5vdc, 4-20mA, Hart, Rs485

Application: Aviation/aerospace/naval/ / / Cooling tank/ /Cryogenic tank.Cryogenic scientific experiment

Keywords: Low temperature Pressure sensor, Pressure sensor, Pressure sensor



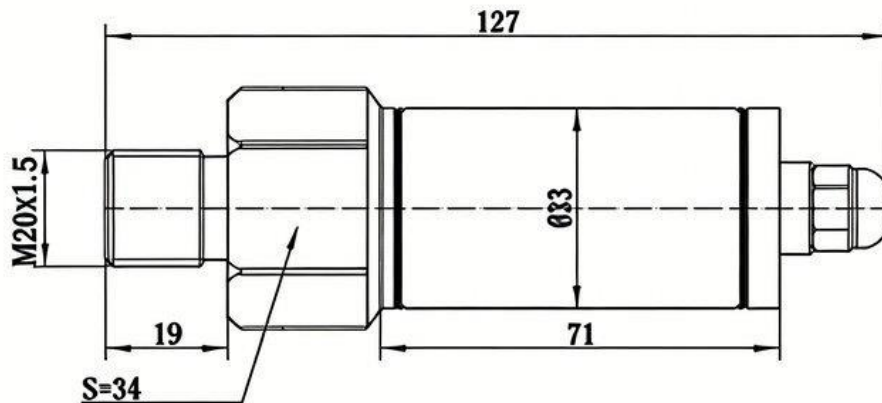
MPT221LT (7)

Technical specifications

	0 ~ 10-400bar
Pressure type	Absolute, gauge
Operating voltage	5-15VDC (10VDC) / 9-36vdc



Analog signal output	Mv/v, 0-5V;0-10V;0.5-4.5V;4~20mA
Digital signal output	RS232, RS485, HART, wireless
Control signal output	PNP, NPN, RELAY
Local indication	LCD, LED,
	0-5vdc, 0-10vdc, 4-20mA
Zero output	$\pm 5\%$ FS (typical)
Full scale output	10mV、20mV、100mV option
Linearity	0.1%FS、0.2%FS
Repeatability	0.05%FS
Accuracy	: 0.1% FS, 0.2% FS, 0.5% FS; Low temperature: 0.5% FS% ~ 3% FS
Operating temperature	-196℃~+125℃、-260℃/-350c (especial)
Low temp zero drift	1 ~ 4% FS (full-temperature zone)
High temp zero drift	1 ~ 4.5% FS (full-temperature zone)
Response frequency	> 1kHz or> 5kHz Optional
Insulation resistance	$\geq 100M\Omega/50V$
Safe overload	150% FS (1.5 times full scale)
Ultimate overload	300% FS (3 times the full scale)
Vibration	5 ~ 1000Hz, amplitude 2mm, X, Y, Z each to 30 minutes, the output changes less than 0.1% FS
Thread	M3, M4, M5, M6, M8, M10, M12 $\times$ 1 or a designated
Medium	Liquid oxygen/nitrogen/hydrogen, etc.
Humidity	95% RH
Waterproof rating	IP65 or IP67 enclosure
Dimensions:	



Product Dimensions

Pressure sensor measurement solution

• MPT200



- Application: gas liquid pressure, water knife cutting pressure, high temperature pressure, anti-corrosion pressure, plane membrane pressure measurement



Product Solution