Pressure transducer model name PRO-*MP

Satifications

● Performance

Rated capacity(R.C.)	: 2MPa,5MPa,10MPa,20MPa
Safe overload	: 150 %R.C.
Ultimate overload	: 200%R.C.
Rated output(R.O.)	: 1.0 mV/V ±0.3mV/V
on- linearity	: 0.5 %R.O.
Hysteresis	: 0.5 %R.O.

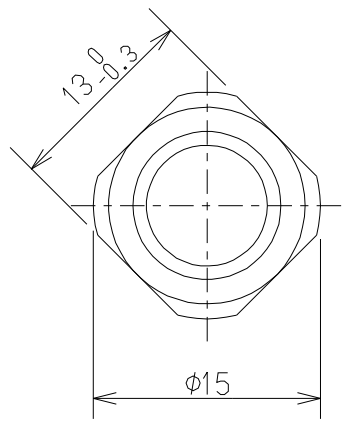
● Electrical

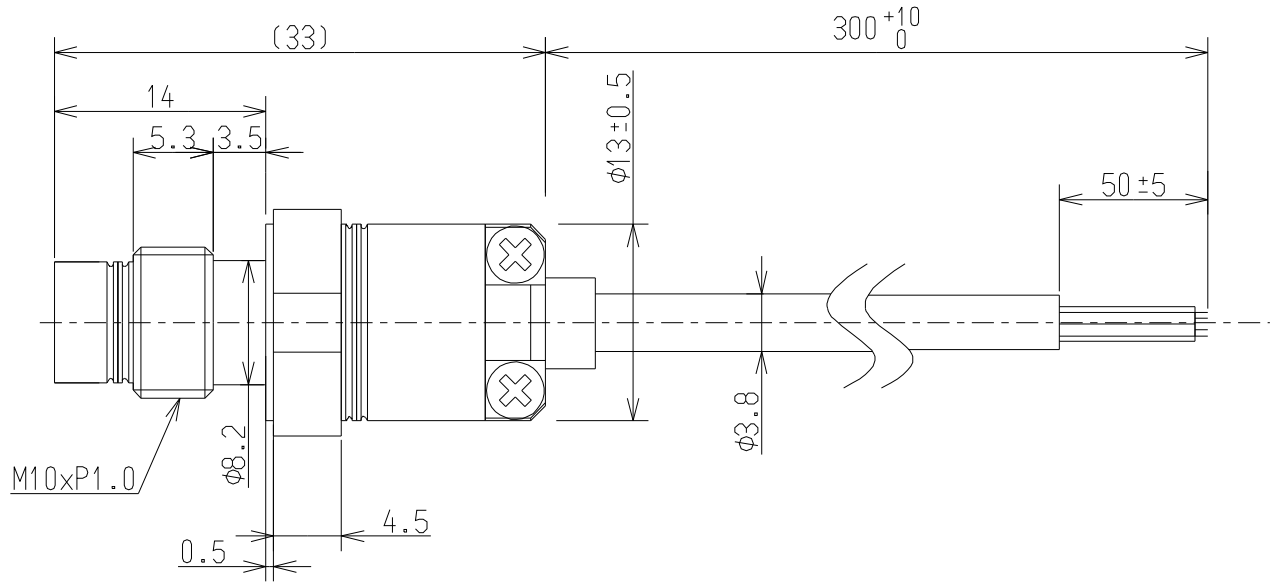
Recommended excitation	: DC1.5V /AC2.0V
Maximum excitation	: DC5V
Zero balance	: ±1.6mV/V
Input resistance	: 350Ω±40Ω
Output resistance	: 350Ω±40Ω
.nsu a ion resis ance	: 1000 MΩ以上

● Temperature

Compensated temperature range	: -30℃ to 150℃
Safe temperature range	: -40℃ to 160℃
Temperature effect on zero balance	: ±0.8%R.O./10℃
Temperature effect on output	: ±0.8%LOAD/10℃

Include cable

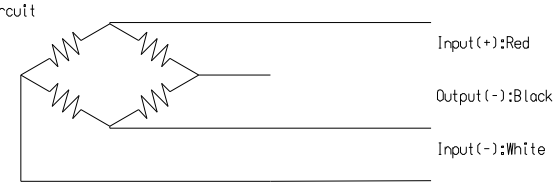




● Others

IP International protection	: 65 5 or equivarent
Lead wire	: φ3.8 4 φ3.8 4cores with shield 0.3sq connection
Material of element	: Stainless alloy
Clamping torque	: 10 N・m to 15N・m

Circuit



Natural frequency

Model name	Rated output	Natural frequency
PRO- 2MP	2MPa	8.7kHz
PRO- 5MP	5MPa	14.0kHz
PRO-10MP	10MPa	19.8kHz
PRO-20MP	20MPa	28.0kHz

MARK	DATE	REASON / ECN NO.	ENGINEER	APPROVED

APPROVED	CHECKED	DRAWN

UNIT mm
SCALE Free

一般公差 TOL	L	
	<L≦4	±0.1
	4<L≦16	±0.2
	16<L≦63	±0.3
	63<L≦250	±0.5
	250<L≦1000	±0.8
	DEG	±0.5

- MATERIAL
SURF.ROUGH.
HEAT TREAT.
FINISH

DATE 2010.1.14
DESCRIPTION
PART NO.(MODEL NO.) PRO-*MP
SHEET /
DRAWING NO. KS50797-2
REV. -