



CMC TECHNOLOGIES

PTY LIMITED ACN: 085 991 224, ABN: 47 085 991 224

Engineering &
Industrial
Instrumentation

Phone: +61 2 9669 4000
Fax: +61 2 9669 4111
Email: sales@cmctechnologies.com.au
Web Site: <http://www.cmctechnologies.net.au>

Unit 19, 77 Bourke Road,
Alexandria, NSW, 2015
AUSTRALIA



CMC Technologies Pressure Transmitter CMCYSX102

Application:

This product is widely used in various industrial control environment, involving water conservancy and hydropower, railway transportation, intelligent building, production control, aerospace, military project, petrification, oil well, power, ship, machine tool, pipeline and many other industries.

Product features:

YSX102 universal pressure transmitter has fine design, compact structure and excellent quality. It has reverse polarity and current limiting protection, and has strong anti vibration, anti shock and anti RF electromagnetic interference performance. It is widely used in all kinds of industrial automatic control environment with high cost performance. The maximum pressure range is 100Mpa. Ceramic piezoresistive sensor and diffused silicon sensor are used, and the accuracy is up to 0.25%.

Measuring range:

		Gauge pressure				
kPa	Measuring range	0 ~ 10	0 ~ 20	0 ~ 35	0 ~ 70	0 ~ 100
	Overload Limit	30	60	100	200	200
	Measuring range	0 ~ 200	0 ~ 350	0 ~ 700		
	Overload Limit	400	700	1400		
MPa	Measuring range	0 ~ 1	0 ~ 2	0 ~ 3.5	0 ~ 7	0 ~ 15
	Overload Limit	2	4	7	14	30
	Measuring range	0 ~ 20	0 ~ 35	0 ~ 70	0 ~ 100	
	Overload Limit	40	70	140	200	

		Absolute pressure			
kPa	Measuring range	0 ~ 100	0 ~ 200	0 ~ 350	0 ~ 700
	Overload Limit	200	400	700	1400
MPa	Measuring range	0 ~ 1	0 ~ 2		
	Overload Limit	2	4		

Standard Conditions:

Output Signal: 2-wire 4-20 mA

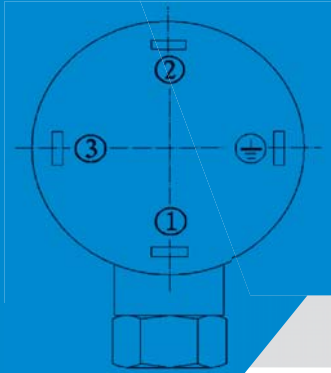
3-wire: DC0-5V

Power Supply: 12 ~ 30V

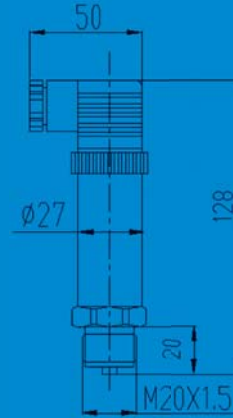
Temperature: 15 ~ 25°C

Wiring Mode:

The specific wiring method is as follows: 1 foot is connected to the positive(Vs+), 2 foot is connected to the negative(Vs-) of the power supply, 3 foot not connected (empty), 4 foot connected to the ground (housing)



Dimensions:



Atmosphere: 86 ~ 106Kpa

Humidity: 45 ~ 75%RH

Mounting: Vertical

Technical Specs:

Range: -0.1 ~ 0 ~ 100MPa

Accuracy: 0.25%FS 0.5%FS

Media: Liquid, Gas, Steam

Non-Repeatability: ≤ 0.1%FS

Long Term Stability: ≤ 0.2%FS/year

Response Time: ≤ 15ms

Connection Threads: M20×1.5M Customed on request

Protection Degree: IP65

Anti-Vibration: 10g

Temperature:

Media: -40 ~ 80°C

Environment: -20 ~ 60°C

Temperature Compensation: -20 ~ 70°C

Electrical Connection: Hesman connection

Wetted Material: SUS316L

Selection table:

Model	Code description	Optional		
YSX102		Universal pressure transmitter		
GP	Measurement type	GP: gauge pressure AP: absolute pressure		
01	Measuring range	Gauge pressure		Absolute pressure
		01: 0 ~ 10kPa	09: 0 ~ 1MPa	01: 0 ~ 100kPa
		02: 0 ~ 20kPa	10: 0 ~ 2MPa	02: 0 ~ 200kPa
		03: 0 ~ 35kPa	11: 0 ~ 3.5MPa	03: 0 ~ 350kPa
		04: 0 ~ 70kPa	12: 0 ~ 7MPa	04: 0 ~ 700kPa
		05: 0 ~ 100kPa	13: 0 ~ 15MPa	05: 0 ~ 1MPa
		06: 0 ~ 200kPa	14: 0 ~ 20MPa	06: 0 ~ 2MPa
		07: 0 ~ 350kPa	15: 0 ~ 35MPa	
		08: 0 ~ 700kPa	16: 0 ~ 70MPa	
		17: 0 ~ 100MPa		
A1	Output signal	A1: 4 ~ 20mA A2: 0 ~ 5V		
J1	Accuracy	J1: ±0.25% J2: ±0.5%		
L1	Process connection	L1: M20×1.5M		
		L2: M14×1.5M		
		L3: G1/2" M		
		L4: G1/4" M		
		L5: 1/2" NPTM		
		L6: 1/4" NPTM		
		L7: Customed on request		
D	Others			