

CS20FU Series of Pressure Transducers

The Zibo Feiyan **CS20** series of pressure transducers are designed for environmentally demanding applications requiring the superior performance offered by piezoresistive silicon technology.

CS20FU

- High Accuracy
- Gage pressure: From 0-5kPa to 0-3.5MPa
 - Absolute pressure: 0-20kPa to 0-120MPa
- Gage pressure: From 0-7MPa to 0-120MPa
 - Negative pressure: -100kPa to 700kPa

Features:

- Stainless steel shell for corrosion protection
- Anti-shock protection
- Reverse polarity and over-voltage protection

Applications:

- Engine testing equipment
- Pipe pressure equipment
- Pump pressure control equipment
- Tank liquid level determination

Specifications:

- Supply voltage: 24 VDC
- Over voltage protection: 30 VDC
- Reverse voltage protection: 9VDC
- Random vibration (50-2000 Hz): \leq 0.02%FSO gm
- Mechanical shock (6 Hz, 1/2 sine): V.H.4



- MTBF: 10,000 hours
- Operating Temperature: -30°C to +70°C
- Storage Temperature: -30°C to +85°C

Performance:

- Response Time: \leq 0.1 second
- Eight(8) pressure range options offered.
- Four(4) output signal range options.
- Three(3) Accuracy level options.
- Standard Mounting option, application specific mounting available.
- Signal cable options, application specific mounting available.

A CS20FU can be designed and manufactured to match the specific application requirements. A technical evaluation of the specific requirements may be obtained by sending those requirements to Application Engineering (engineering@tichenassociates.com) or to the address below.

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Part Number Definition C20FU:

CS20FU - a b c d e e f f g g g

	Code	Range
<i>a</i>	A	0 - 5kPa (.73psi) to 0 - 20kPa (2.90psi)
	B	0 - 20kPa (2.90psi) to 0 - 70kPa (10.15psi)
	C	0 to 70kPa (10.15psi) to 0 - 350kPa (50.75psi)
	D	0 to 200kPa (29.00psi) to 0 - 700kPa (101.5psi)
	E	0 to 700kPa (101.5psi) to 0 - 3.5MPa (507.5psi)
	F	0 to 2MPa (290.0psi) to 0 - 7MPa (1,015psi)
	G	0 to 7MPa (1,015psi) to 0 - 35MPa (5,075psi)
	H	0 to 20MPa (2,900psi) to 0 - 120MPa (17,401psi)

	Code	Accuracy Class
<i>b</i>	I	0.1%
	II	0.3%
	III	0.5%

	Code	Output Signal
<i>c</i>	E	4 to 20 mA, DC dual wire
	K1	0 to 10 mA, DC
	K2	0 to 5 VDC
	K3	1 to 5 VDC

	Code	Pressure Connection
<i>d</i>	R	Standard M20x1.5 outer thread
	O	Customer specified option

	Code	Electrical Connection
<i>e</i>	C1	Cable lead, 1m, IP65 environmental protection rating
	C3	GDM Connector, IP65 environmental protection rating
<i>f</i>	Lm	Cable length (m)

	Code	Options
<i>g</i>	I	Classified for use in explosive environments
	T	Classified for use in marine vessels
	A	Absolute pressure measuring
	F	Load pressure measuring
	S	Hest sink for high temperature applications
	Y	Custom design, customer specified option(s)

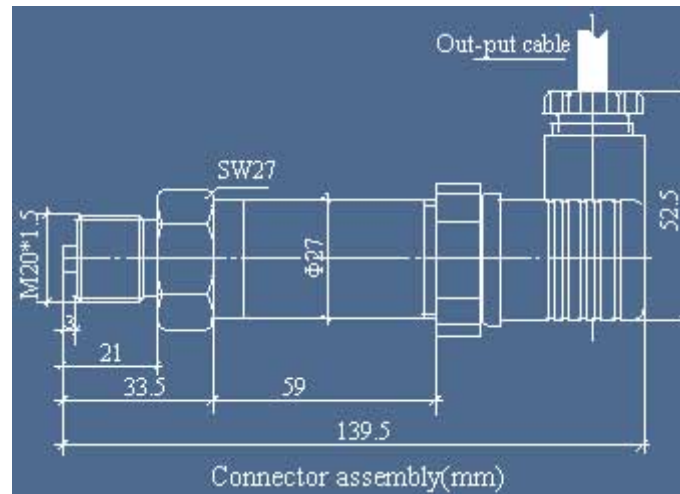
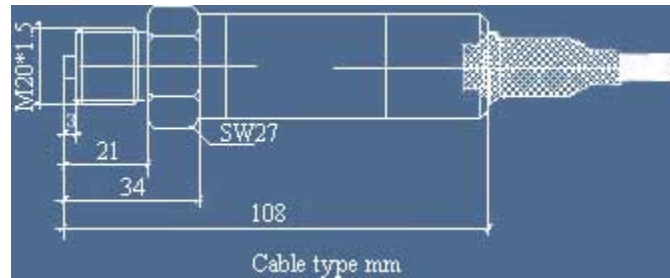
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Outline Drawing:



Physical:

Sensor Weight: 0.3 kg (0.66lbs)

Cable Weight: 0.1 kg (0.22lbs)

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