

FUZYPRO



Melt Pressure and Temperature Transducers with Flexible Extension

features:

- Simultaneous pressure and temperature measurements at a single location
- Flexible extension providing further thermal isolation for electronics
- Amplified output signal of 4 ~ 20 mA, 0.5 ~ 5 V, or 0.5 ~ 10 V available
- Wide measuring range of 0 ~ 50 bar to 0 ~ 1000 bar
- Internal shunt calibration to 80 % FS
- Stainless steel wetted parts
- Interchangeable with all makes of melt pressure transducers

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Model FZ - MPT 1200 Melt Pressure Transducers/Transmitters

Based on strain gauges technology, FUZYPRO's melt pressure transducers/transmitters are developed and made 100% from stainless steel in mass production. Our melt pressure transducers are suit to measuring and controlling the pressure of some high temperature melts—such as chemical fiber, plastic, rubber and petrification—or other over proof liquids. Our company draws on the advanced technology from aboard and manufactures with imported materials and key apparatus, provides our products with stable work, credible capability, high accuracy, large outputted signal, good dynamic capability, small over proof zero temperature-excursion and other merits.

For application in food industry, FUZYPRO's melt pressure transducers/transmitters are manufactured without mercury.

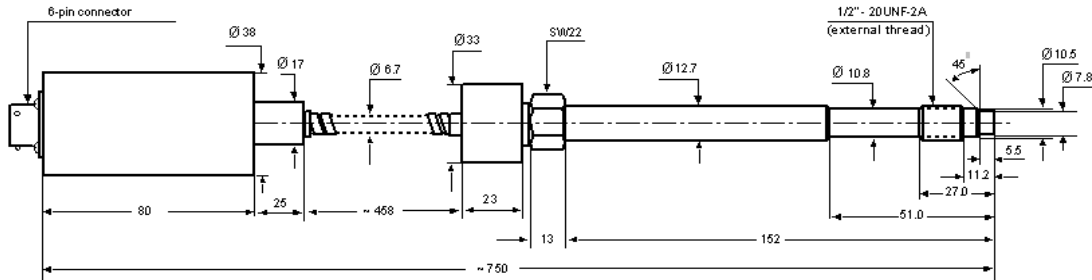
Model CS-MPT200 are extended with a flexible stem extension, which provides a further thermal isolation to the electronic circuitry. The output of melt pressure transducers is of either milli-volt or amplified signal, such as 0~10Vdc or 4~20mA.



Features:

- wide measuring range from 0 ~10bar to 0~ 2000bar
- higher measuring accuracy up to 0.25%FS
- internal shunt calibration signal of 80%FS
- 100% stainless made, with Ti-n coating on diaphragm
- rigid and compact construction
- hastelloy diaphragm available on request

Dimension:



Specification:

Measuring range	bar	0/10,0/20,0/35,0/50,0/70,0/100,0/200,0/350,0/500,0/700,0/1000,0/1400,0/2000
Combined error	%FS	0.25,0.5,1.0
Signal output@FS	mV/V	2.0,2.5,3.0,3.33
Amplified signal output		0/20mA,4/20mA,0/5Vdc,1/5Vdc,0/10Vdc,1/11Vdc
Supply voltage	Vdc	10(12max.) for MPT of mV/V output signal 24(12-36 acceptable) for MPT of amplified output signal
Repeatability	%FS	0.2
Overload pressure	%FS	150
Input resistance	Ω	350±10%
Output resistance	Ω	350±10%
Insulation resistance	Ω	≥500@100Vdc
Max.temp.@wetted parts	℃	400
Zero adjustment	%FS	±10
Span adjustment	%FS	±6
Temperature effect on ZERO	%FS/10℃	0.5
Temperature effect on SPAN	%FS/10℃	0.5
Long period stability	%FS/year	<0.15
Compensated temp. range	℃	0~80
Process connection		1/2"20UNF-2A (standard), M14X1.5, M18X1.5
Electrical connection		6-pin connector (standard) , 8-pin connector, 6-wire shield PVC cable
Max. mounting torque	N.m	40
Net weight	kg	~1

Model FZ - MPT 1200
Melt Pressure Transducers/Transmitters

FZ - MPT1200 Ordering Code

Model	
FZ-MPT1100	FZ-MPT1200
FZ-MPT1300	FZ-MPT1400

Pressure Range	
010=0~10bar	350=0~350bar
020=0~20bar	500=0~500bar
035=0~35bar	700=0~700bar
050=0~50bar	1000=0~1000bar
070=0~70bar	1400=0~1400bar
100=0~100bar	2000=0~2000bar
200=0~200bar	

Output Signal	
1=3.33mV/V	3=0~5V(4 wire)
2=0~10V(4 wire)	4=4~20mA(2 wire)

Process Connection	
1= 1/2"-20UNF-2A(Standard)	
2= M14X1.5	
3= M18X1.5	

Combined Error	
1=±0.25%FS	
2=±0.5%FS (Standard)	
3=±1.0%FS	

Length of Rigid Stem	
1=76mm	4=228mm
2=102mm	5=305mm
3=152mm(standard)	6=others

Length of Flexible Stem	
1=380mm(standard)	3=762mm
2=458mm	4=others

Temperature Measurement	
J=J-thermocouple (standard)	
K=K-thermocouple	
E=E-thermocouple	
Pt=Pt100 thermal resistor	

Electrical Connection	
X=6-pin male connector	
Y=8-pin male connector	
Z= 6-wire shield PVC cable	
Q=others	

FZ-MPT 1200--700 -- 4 -- 1 -- 2 -- 3 -- 1 -- -- -- X

Order Code example: FZ - MPT 1200 -700-4 -1-2- 3-1-X

FZ - MPT 1200 melt pressure transducers of a flexible extension, measuring range 0/700bar, output signal 4-20mA, process thread 1/2"-20UNF-2A, combined error ±0.5%FS, rigid stem length 152mm, flexible extension length 380mm, 6-pin male electrical connector and other requests.

Heaters, Controls & Sensors
