Melt Pressure Transmitter
Data Sheet
Industrial Pressure Transmitter
Model: CMPT124B-125

Introduction

◆ CMPT124B-125 Series Melt Pressure Transmitter adopts intrinsic safety explosive proof and welded construction and has wide application in melt pressure measuring in the dangerous occasion of easy-to-combustion and easy-to-explosion This model has the character of explosion proof, abrasion resistance, low thermal draft, high accuracy, excellent anti-jamming capability, etc. It is suitable for pressure measuring and controlling in melt liquid medium for Rubber and Plastic machinery, chemical fiber, steam, petro Chemical Machinery and so on.

Application

◆ Chemical fiber Equipment
◆ Plastic and rubber manufacturing equipment
◆ Vapor, petro chemical Industry
◆ Other pressure measure and control

Features:

◆ High-standard quality
◆ Stainless steel Seal
◆ Simple Installation
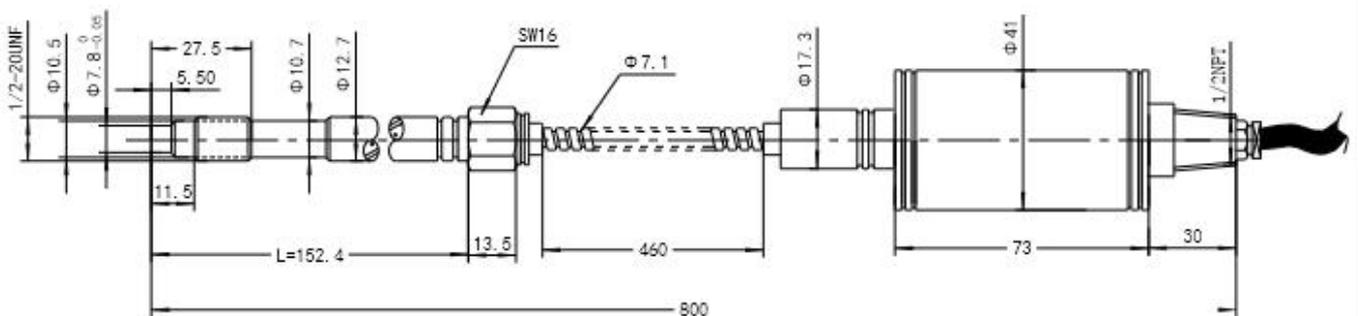◆ 80% inner calibration
◆ Excellent stability and repetition

RoHS

CE

ISO 9001 : 2008 质量管理体系认证
通过ISO9001
ISO 9001 2008

Dimensions(mm):

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Output	4/20mA (2 wires)		2mV/V, 3.33mV/V, 0-10V	
Wiring	E+	Red	E+	Red
	S+	Blue	S +	Blue
	CAL	Yellow	S -	White
	CAL	Black	E -	Yellow
	/	/	CAL	Black

Technical Characteristics

| Model	CMPT124B-125
Range	0….10MPa to 0….150MPa (0…1500psi to 0…20000psi)
Output	0~5V; 0~10V; 4-20mA
Accuracy	±0.5%FS
Input voltage	24VDC (12~36)VDC
Repeatability	±0.2%
Construction:	Wheatstone bridge
Bridge resistance	350 ohms±10%
Overload pressure	1.5×FSO
Internal calibration	80%FSO±1%
Insulation Resistancel	1000Megohms @50Vdc
Max. Diaphragm Temp	0~350℃
Electric connector	1/2NPT conduit with leads
Process connector	1/2″-20UNF, M14×1.5, M18×1.5（customer design）

Mounting hole

A向
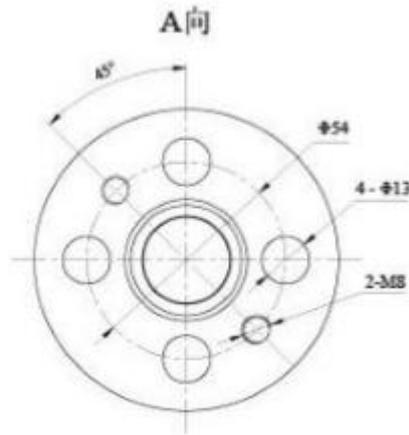
Wiring diagram

Output	Function	Color	5PIN
0/5V,1-5V; 0/10V 0/0.5V 2.0mV/V	Signal +	Blue	1
	Excitation +	Red	2
	Signal -	White	3
	Excitation -	Yellow	4
	Calibration	Black	5

Output	Function	Color	5PIN
4/20mA	Signal+	Blue	1
	Excitation+	Red	2
	Calibration	Yellow	4
	Calibration	Black	5
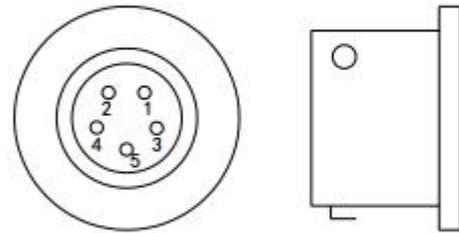
Output	Function	Color	6PIN
0-5V;1-5V; 0-10V; 0/0.5V 3.33mV/V	Signal +	Blue	A
	Signal -	Green	B
	Excitation +	Red	C
	Excitation -	Yellow	D
	Calibration	Brown	E
	Calibration	Black	F

Output	Function	Color	6PIN
4-20mA	E+/ S+	Red	A
	E-/ S-	Blue	B
	Calibration	Yellow	E
	Calibration	Black	F

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Output	Function	Color	8PIN
0-5V;1-5V; 0-10V; 0/0.5V 3.33mV/V	Excitation +	Red	A
	Signal +	Blue	B
	Excitation -	Yellow	C
	Signal -	Green /White	D
	Calibration	Brown	E
	Calibration	Black	F
	Blank	--	G, H
Output	**Function**	**Color**	**8PIN**
4-20mA	E+/ S+	Red	A
	E+/ S+	Blue	B
	Calibration	Yellow	E
	Calibration	Black	F
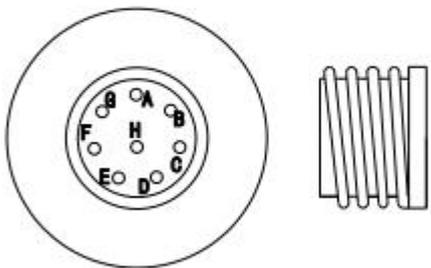
Ordering Guide

Model	Range (bar)	Output	Screw Thread	Electric connection	Accuracy	Diameter (mm)	Other requirement
CMPT124B-116	*	*	*	*	*	*	---
Example: CMPT124B-116-500Bar-4/20mA-DN50							