



Pressure Transmitter

GPT240

Description

GPT240 intelligent pressure transmitter combine measuring ,display and transmitter together. It can correct the linearity and compensate temperature drift. It also can adjust the parameter of transmitter by hand-helder, achieve accurate data transfer, local equipment diagnoses and long-distance bidirectional communication . With characteristics of high precision, good stability &reliability and easy handle.

Features

- pressure range: 0~10kPa...60MPa
- HART protocol or RS485 protocol
- Ex Marking
- LCD or LED display
- high reliability and stability

Application

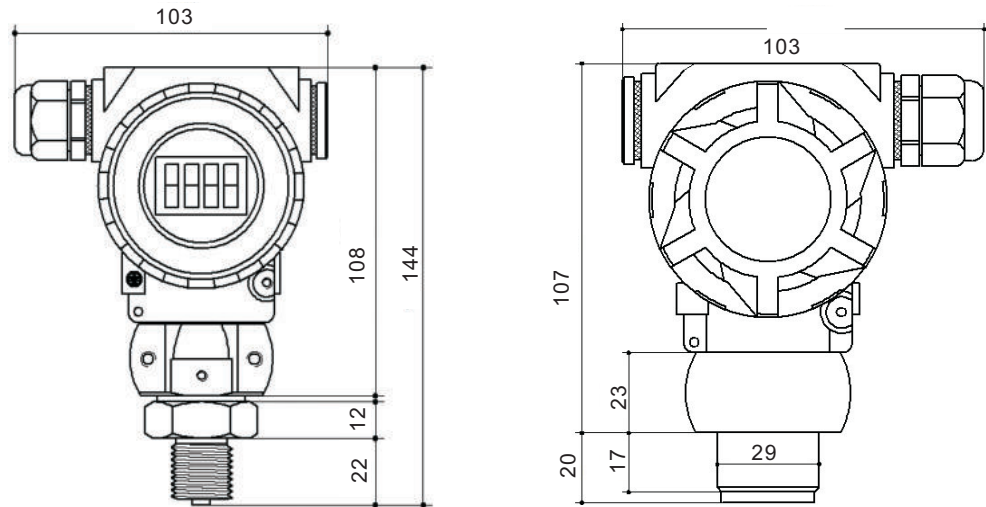
- process control system
- petroleum industry
- chemical industry
- electric power etc



Technical Specifications

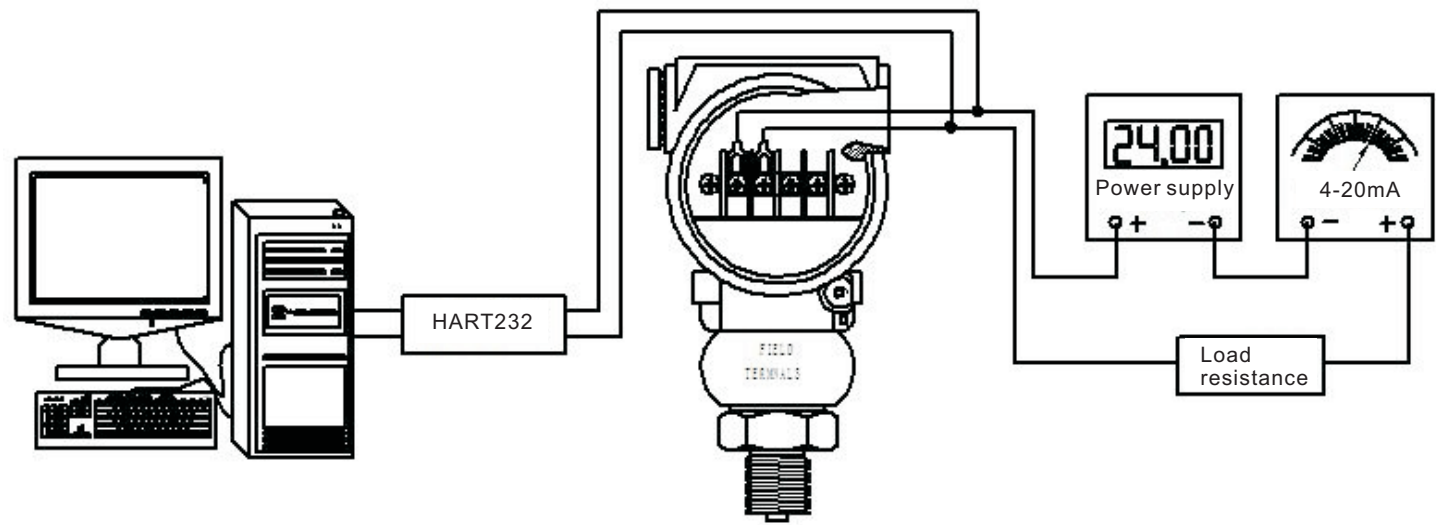
pressure range		
pressure type	gauge (G), absolute (A), sealed gauge (S)	
overpressure	150%FS or 110MPa(min.value is valid)	
output signal	4~20mA、 0~10/20mA、 0~5V、 1~5V	
	4~20mA+HART	
	4~20mA+RS485	
	4~20mA+RS232	
power supply	15~30Vdc	
accuracy	0.25%FS(typ.)	0.5%FS(max.)
long-term stability	≤0.3%FS/year	
temp.coefficient of zero	±0.02%FS/°C(typ.)	±0.03%FS/°C(max.)
temp.coefficient of span	±0.02%FS/°C(typ.)	±0.03%FS/°C(max.)
compensated temperature range	0~+70°C	
operating temperature range	-20~+80°C	
storage temperature range	-40~+120°C	
Insulating resistance	≥100MΩ@100Vdc	
load resistance	R≤(U-15)/0.02 (for 4/20mA)	
electrical interface	wiring terminal	
pressure interface	G1/2,M20x1.5(customer request)	
material of pressure membrane	316L stainless steel	
material of housing	aluminium alloy, Stainless Steel 1Cr18Ni9Ti	
response time(10%~90%)	≤10ms	
display	1999~9999 LCD display ; 1999~9999 LED display	
protection	IP65	
Installation	Vertical axial	
Explosion-proof	ExiaIICT6	

Dimension(mm)

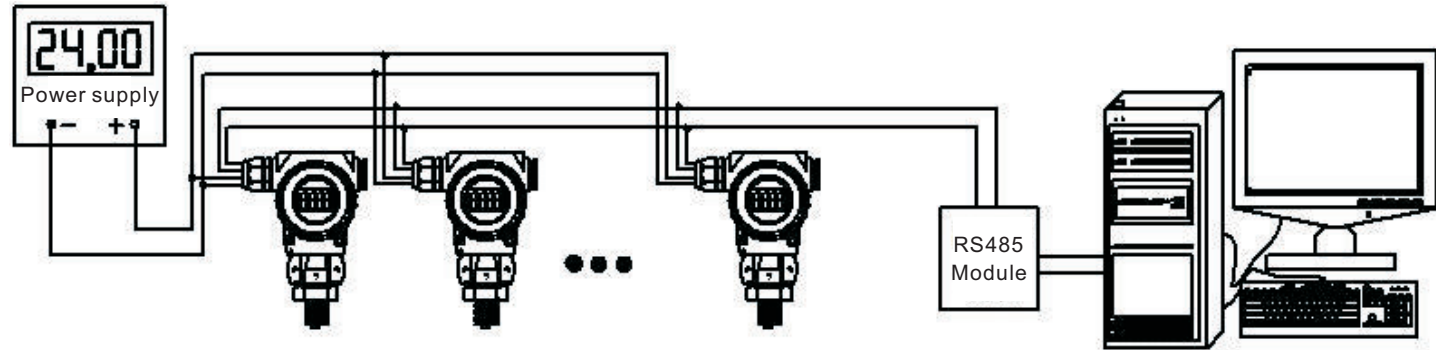


Wiring

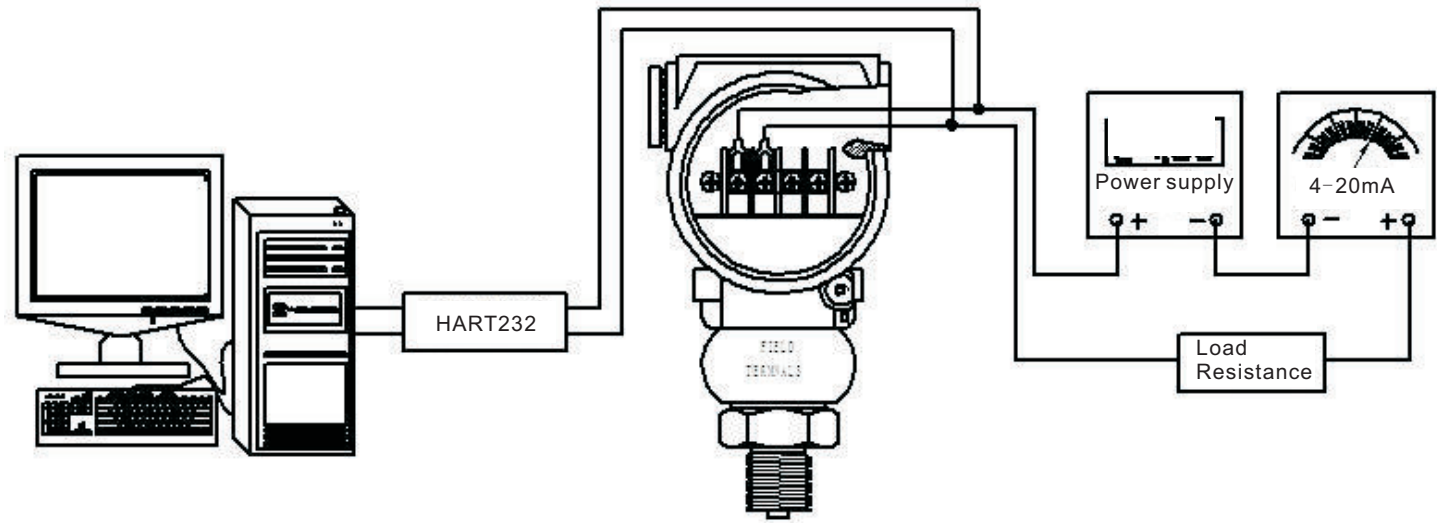
1. RS485 pressure transmitter is used for RS485 communication electrical interface



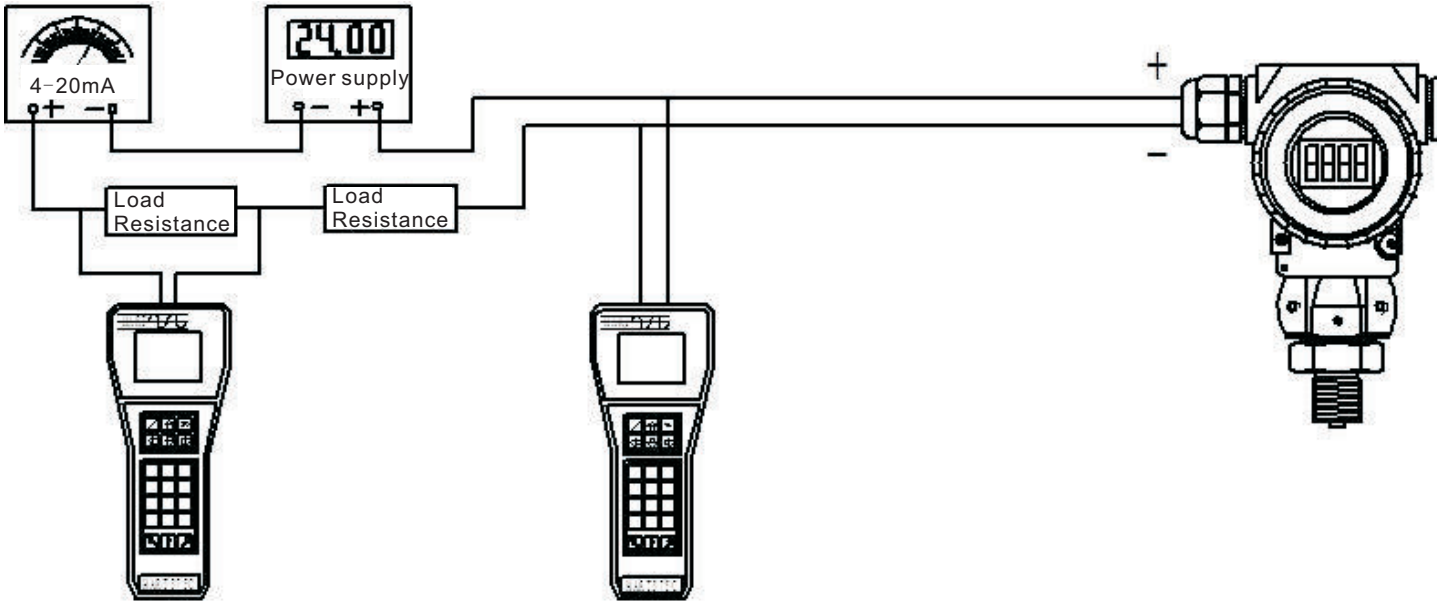
2. Network application diagram of RS485 interface



3. Configuration system connection way of HART protocol pressure transmitter



4. The connection way about HART protocol pressure transmitter and HART communicator



 Ordering code

GPT240	Pressure Sensor												
	Code	Pressure range											
	0/x	-0.1. . . 0~0. 01. . . 100MPa											
		Code	Unit										
		M	MPa										
		B	Bar										
		P	Psi										
		Code	Pressure type										
			G	gauge									
			S	sealed gauge									
			A	absolute									
			Code	Output signal									
				T1	4-20mA								
				T2	0-5Vdc								
				T3	1-5Vdc								
				T4	4~20mA+HART								
				T5	4~20mA+RS485								
				T6	4~20mA+RS232								
					Code	power supply							
		V1	15~30Vdc										
		V2	24Vdc										
		Code	accuracy										
			A1	0.1%FS									
			A2	0.25%FS									
			A3	0.5%FS									
		Code	electrical interface										
			K1	2088housing									
			K2	2088housing+display									
				Code	Housing Material								
	S1	304 SS											
	S2	316L SS											
		Code	Pressure interface										
			C1	M20x1.5(male)									
			C2	G1/4(male)									
			C3	G1/2(male)									
			C4	1/4NPT(male)									
Cx			other										
			Code	Explosion-proof function									
				E	Ex I explosion-proof								
				O	non-explosion-proof								
E			Complete specification										