



PG112&PG123&PG133 Series High Temperature Melt Pressure Gauge



Features

- pressure range:0~100bar or 0~1000bar
- accuracy level:±1.6%F.S
- special diaphragm coating
- IP65 protection level
- 4~20mA signal output available

Applications

chemical fiber industry
Injection molding industry
rubber&plastics industry

Description

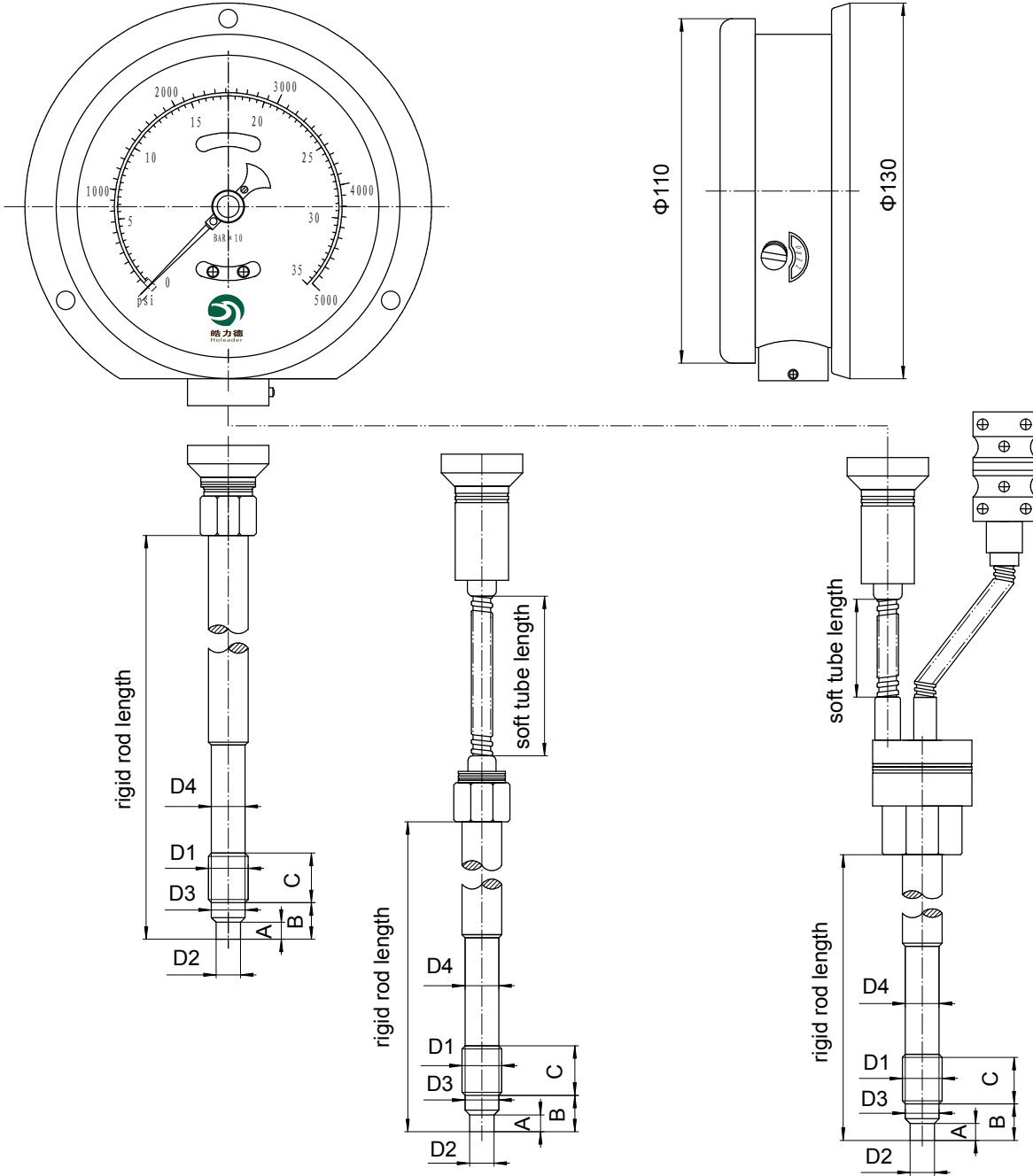
High temperature melt pressure gauge series is designed to measure pressure at high temperature in the industries of injection molding and chemical fiber, special diaphragm and highly anti-abrasive coating of which enable it to work normally at high temperature of 400°C. It adopts standard threaded connection and is characterized by high stability and long service life.

Technical Parameters

Signal Output	4~20mA available	Diaphragm Material	15-5PH
Accuracy	±1.6%F.S	Diaphragm Temp	400°C
Pressure Range	0~100bar,0~1000bar	E-Connection	5-pin standard aviation connector
Pressure Unit	psi,bar	Mounting Torque	40N.m,max
Overload Capacity	1.5 times rated pressure	Process Connection	1/2-20UNF
Zero Temperature Drift	0.005MPa/°C	Protection Level	IP65
Electrical Environment Temp	-20°C~85°C	Temp Measuring Components	E,J,Ktype or Pt100



External Dimension



D1	D2	D3	D4	D5	A	B	C
1/2-20UNF	$\Phi 7.8$	$\Phi 10.5$	$\Phi 10.5$	$\Phi 12.7$	5.5	11.5	16
M14×1.5	$\Phi 7.8$	$\Phi 11.5$	$\Phi 11.5$	$\Phi 12.7$	5.5	11.5	16
M18×1.5	$\Phi 9.8$	$\Phi 15.8$	$\Phi 12.7$	$\Phi 12.7$	5.5	14.5	20

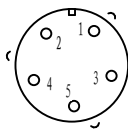


Ordering Guide

Series Code		PG	X	X	X	X	X	X	X	X	X
Product Type	rigid stem		112								
	flexible		123								
	dual measurement		133								
Pressure Range	10MPa 100bar 1500psi			1.5M							
	20MPa 200bar 3000psi			3M							
	25MPa 250bar 3500psi			3.5M							
	35MPa 350bar 5000psi			5M							
	40MPa 400bar 6000psi			6M							
	50MPa 500bar 7500psi			7.5M							
	70MPa 700bar 10000psi			10M							
	100MPa 1000bar 15000psi			15M							
Process Connection	1/2-20UNF				1/2						
	M14×1.5				M14						
	M18×1.5				M18						
	M22×1.5				M22						
	G3/8				G3/8						
Rigid Stem	6 inches (152mm)					6					
	9 inches (229mm)					9					
	12.5 inches (318mm)					12					
	15 inches (381mm)					15					
	18 inches (460mm)					18					
Flexible	18 inches (460mm)						/18				
	24 inches (610mm)						/24				
	30 inches (760mm)						/30				
Signal Output	None							blank			
	2mV/V							2MV			
	4~20mA							MA			
	0~10VDC							10V			
	0~5VDC							5V			
Temperature Component	J type								J		
	K type								K		
	E type								E		
	three Pt100 RTD								RTD1		
E-Connection	None									blank	
	5-PIN standard aviation connector										5P



E-Connection

5PIN Connector	Current Signal Output				
	1	2	3	4	5
	E +	E -			
	Red	Blue			