

LR-056

Технические характеристики

По вопросам продаж и поддержки обращайтесь:

Алматы (7273)495-231	Казань (843)206-01-48	Новокузнецк (3843)20-46-81	Смоленск (4812)29-41-54
Архангельск (8182)63-90-72	Калининград (4012)72-03-81	Новосибирск (383)227-86-73	Сочи (862)225-72-31
Астрахань (8512)99-46-04	Калуга (4842)92-23-67	Омск (3812)21-46-40	Ставрополь (8652)20-65-13
Барнаул (3852)73-04-60	Кемерово (3842)65-04-62	Орел (4862)44-53-42	Сургут (3462)77-98-35
Белгород (4722)40-23-64	Киров (8332)68-02-04	Оренбург (3532)37-68-04	Тверь (4822)63-31-35
Брянск (4832)59-03-52	Краснодар (861)203-40-90	Пенза (8412)22-31-16	Томск (3822)98-41-53
Владивосток (423)249-28-31	Красноярск (391)204-63-61	Пермь (342)205-81-47	Тула (4872)74-02-29
Волгоград (844)278-03-48	Курск (4712)77-13-04	Ростов-на-Дону (863)308-18-15	Тюмень (3452)66-21-18
Вологда (8172)26-41-59	Липецк (4742)52-20-81	Рязань (4912)46-61-64	Ульяновск (8422)24-23-59
Воронеж (473)204-51-73	Магнитогорск (3519)55-03-13	Самара (846)206-03-16	Уфа (347)229-48-12
Екатеринбург (343)384-55-89	Москва (495)268-04-70	Санкт-Петербург (812)309-46-40	Хабаровск (4212)92-98-04
Иваново (4932)77-34-06	Мурманск (8152)59-64-93	Саратов (845)249-38-78	Челябинск (351)202-03-61
Ижевск (3412)26-03-58	Набережные Челны (8552)20-53-41	Севастополь (8692)22-31-93	Череповец (8202)49-02-64
Иркутск (395)279-98-46	Нижний Новгород (831)429-08-12	Симферополь (3652)67-13-56	Ярославль (4852)69-52-93
Россия (495)268-04-70	Киргизия (996)312-96-26-47	Казахстан (7172)727-132	



LR056 Pressure Transducer Display

LR056 Transducer Display

Accurate, Miniature Displays for
Point-of-Use Pressure Monitoring

Local display of process pressure improves safety and quality control of gas delivery systems. The LR056 allows a sensor to digitally display its pressure and send its signal to a final destination. The sensor, such as the Brooks® SolidSense II® pressure transducer, connects to the back of the LR056 with a 4-pin Bendix® connector. The LR056 connects to the loop through a pigtail cable and offers a real-time reading. The LR056 has two user-programmable setpoints that define a window; if the window is entered or left, an output signal is generated.

Product Features

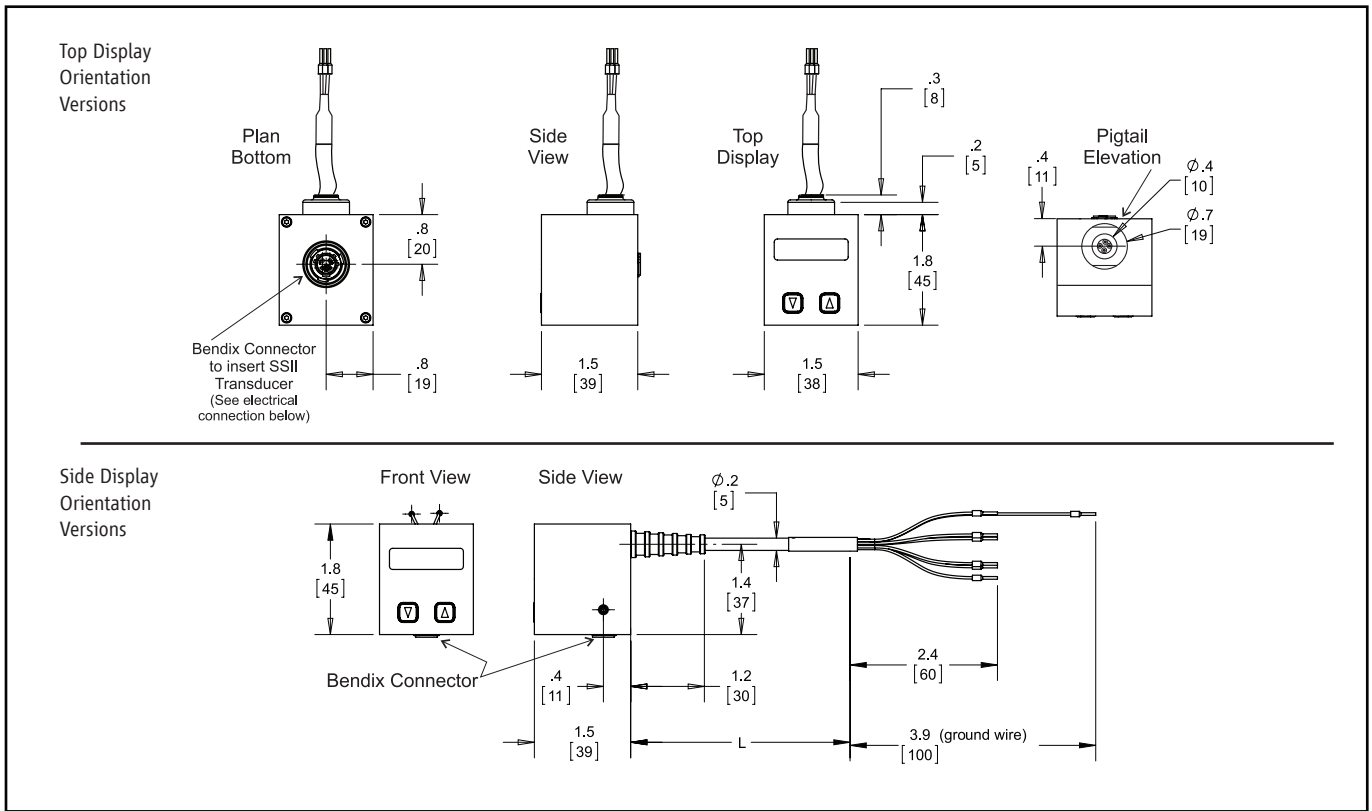
- Local indication of process pressure measurement
- 4-digit LED display in durable metal enclosure
- Available to display pressure measurement in psia, psig, bar, kg/cm², or Mpa
- Setpoint indication and contact switching available
- Password protected
- CE (EN 61326) compliant
- Programmable via up and down switches
- Point-of-use monitoring
- Extremely accurate reading with outstanding noise immunity
- Low-power electronics
- Ease of use and installation

Applications

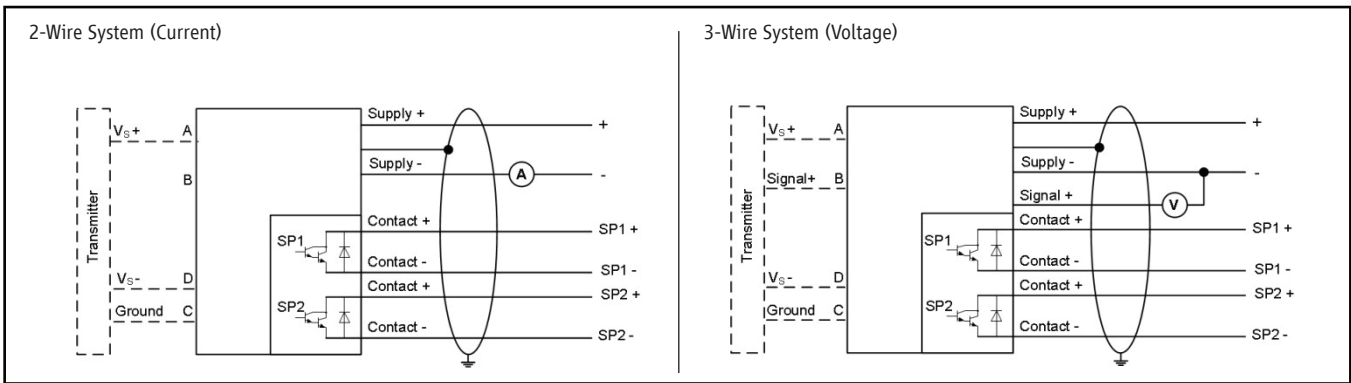
Gas delivery systems and tools including:

- Gas cabinets
- Gas panels
- Bulk gas

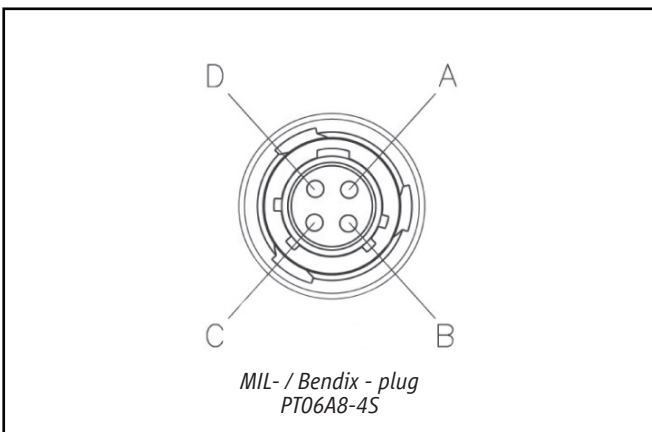
Analog Signal		LR056
2-Wire System		4 - 20 mA
3-Wire System		0.05 - 5.05 V
Supply		
2-Wire System	Supplied by current loop; voltage drop ≤ 6 V; $V_S = (V_{T\min} \dots V_{T\max}) + 6V_{DC}$ with V_T = supply of the used transmitter	
3-Wire System	Display is supplied parallel with transmitter $V_{S\min} = 12 V_{DC} \dots V_{T\min}$; $V_{S\max} = V_{T\max} \dots 30 V_{DC}$ with V_T = supply of the used transmitter	
Contact		
Number, Type	Two independent optocoupler outputs	
Max. Switching Type	$I_{\max} = 50$ mA ($R_{\min} = 450 \Omega @ 24 V_{DC}$) resistive load	
Max. Switching Performance	Pmax = 200 mW	
Repeatability	$\leq \pm 0.1\%$ FSO	
Switching Frequency	Max. 5 Hz	
Switching Cycles	$> 100 \times 10^6$	
Delay Time	0 - 100 sec	
Electrical Protection		
Short-circuit Protection	Permanent	
Reverse Polarity Protection	No damage, but also no function	
Electromagnetic Compatibility	Emission and immunity according to EN 61326	
Mechanical Stability		
Vibration	10 g RMS (20 - 2000 Hz)	
Shock	100 g/11 msec	
Materials		
Display Housing	Aluminum, black anodized	
Display		
Type	4-digit, red LED display, digit height 7 mm, digit width 4.85 mm (angle 10°)	
Range	-1999 to +9999 (Automatic indication of minus for negative values)	
Accuracy	0.1% \pm 1 digit	
Temperature and Coefficient	0.01% FS/ $^\circ$ C	
Digital Damping	0.4 - 30 sec (programmable)	
Measured Value Update	0.2 - 10 sec (programmable)	
Miscellaneous		
Permissible Temperature	Electronics: Environment: -25 - 85 $^\circ$ C (-13 - 185 $^\circ$ F); Storage: -40 - 85 $^\circ$ C (-40 - 185 $^\circ$ F)	
Cable Length	Standard: 2 m	



Wiring Diagrams



Electrical Connections



Pin Configurations

Sensor-Sided Input: MIL-/Bendix Connection (4-Pin)

Supply +	A
Supply -	D
Signal + (for 3-wire)	B
Ground	C

Cable-Sided Output: 6-Wire Cable (2-wire system), 7-wire cable (3-wire system), top mounted (cable colors DIN 47100)

Supply +	Red
Supply -	Black
Signal + (for 3-wire)	Green
SP 1 +	Blue
SP 2 +	Yellow
SP 1 -	White
SP 2 -	Brown
Ground	Yellow/Green (shield)

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