

LINEAR GAUGES (RESISTANCE TYPE)

IP40
WATERPROOF

HIGH RESISTANT TO ENVIRONMENT INTERFERENCE



7152-A04



7152-D04

Linear gauges:

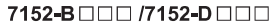
- For harsh environments
- With return spring
- Flexible bearings at both ends for high shock and vibration resistance
- Output resistance

LINEAR GAUGE SPECIFICATION (STANDARD ACCURACY)

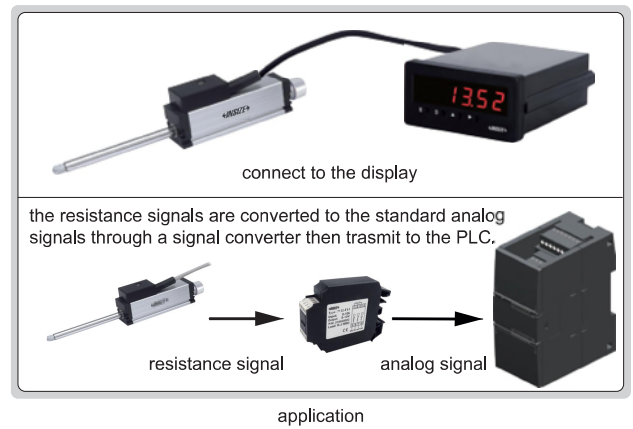
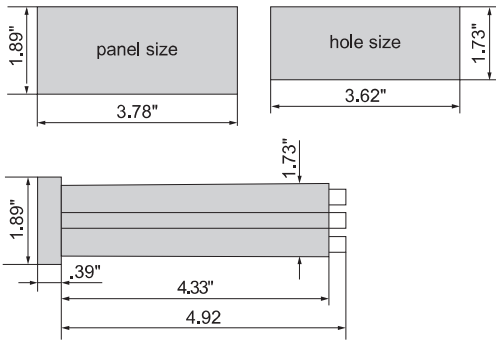
Part No.	7152-A01	7152-A02	7152-A03	7152-A04	7152-A05	7152-B01	7152-B02	7152-B03	7152-B04
Outlet	3-core PVC shielded cable, 78"					5-pin M16 x 0.75 circular connector			
Range	.39"	.98"	1.96"	2.95"	3.93"	.98"	1.96"	2.95"	3.93"
Accuracy	±0.3%FS								
Repeatability	.0004"								
Operation current	≤1μA								
Max. fault current	10mA								
Max. operation voltage	42V								
Temperature coefficient	5ppm/k (the resistance changes 5 parts per million of the original value for every 1°C change in temperature)								
Forward force (horizontal)	≤3.5N								
Backward force (horizontal)	≤5.0N	≤5.0N	≤5.0N	≤7.0N	≤7.0N	≤5.0N	≤5.0N	≤7.0N	≤7.0N
Max. operation frequency (probe face up)	20Hz	18Hz	14Hz	10Hz	10Hz	18Hz	14Hz	10Hz	10Hz
Operation environment	-22~212°F, <95%RH (non-condensing)					-22~185°F, <95%RH (non-condensing)			
Dust/waterproof	IP40								

LINEAR GAUGE SPECIFICATION (HIGH ACCURACY)

[illegible]



Part No.	7152-E01-U	7152-E02-U	7152-E03-U	7152-E04-U	7152-E05-U	7152-E06-U	7152-E07-U
Operation voltage	110V AC (24V is optional)						
Communication interface	RS485 (RS232 is optional)						
Operation mode	Modbus RTU						
Output signal	0~10V	0~5V	4~20mA	0~20mA	RS232	RS485	N/A
Input signal	(0~20)kΩ						
Refresh time	50ms						
Alarm	With 2 relay outputs (4 relay outputs is optional)						
Operation environment	14~131°F, <65% (non-condensing)						
Dust/waterproof	IP55 (front panel)						
Dimension	5.31×3.78×1.89"						
Weight	.88lb						



Signal converters:

- Provide regulated power supply for linear gauges
- Built-in isolation module for power supply
- Switchable between full and zero position



7152-F04



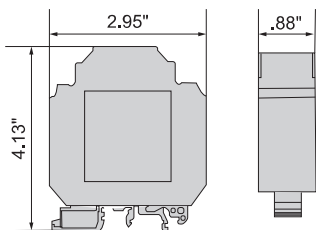
7152-G02

SIGNAL CONVERTER SPECIFICATION (STANDARD ACCURACY, OPTIONAL)

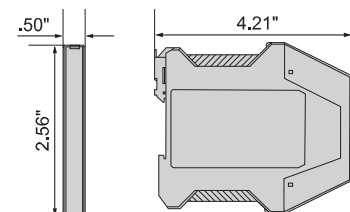
Part No.	7152-F01	7152-F02	7152-F03	7152-F04
Operation voltage	DC 18~36V, built-in reverse power protection			
Power consumption	Max. 24V/25mA			
Input signal	0~1kΩ, 0~5kΩ, 0~10kΩ, 0~20kΩ			
Output signal	0~10V	0~5V	4~20mA	0~20mA
Accuracy	0.02%			
Operation environment	-22~185°F			
Temperature coefficient	25ppm/K			
Dust/waterproof	IP20			
Dimension	4.13×2.95×.88"			
Weight	.22lb			

SIGNAL CONVERTER SPECIFICATION (HIGH ACCURACY, OPTIONAL)

Part No.	7152-G01	7152-G02	7152-G03
Operation voltage	DC 24V±20%, built-in reverse power protection		
Power consumption	70mA (unloaded)		
Input signal	0~1kΩ, 0~5kΩ, 0~10kΩ, 0~20kΩ		
Output signal	0~10V	4~20mA	0~20mA
Accuracy	0.01%		
Operation environment	41~158°F		
Temperature coefficient	20ppm/K		
Dust/waterproof	IP50 (without terminal clips)		
Dimension	4.21×2.56×.50"		
Weight	.24lb		



7152-F□□□



7152-G□□□