



PRESSURE

RANGEABLE PRESSURE TRANSMITTER

GC51 SERIES

DESCRIPTION

The Ashcroft GC51 Rangeable Pressure Transmitter is a compact alternative to the conventional process transmitter available in compound and gauge ranges. The ranges span from Vacuum to 15 PSI, 30 PSI, or 50 PSI compound ranges and 0 to 7500 PSI ranges. The GC51 Series features a two wire 4-20mA output, backlit LCD display, stainless steel wetted parts, and NEMA 4X, IP65, robust aluminum housing. The range and output allows for rescaling and setting of user defined units.



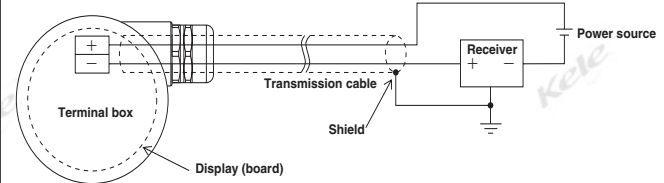
GC51



FEATURES

- NEMA 4X (IP65) aluminum die cast housing
- Backlit LCD display
- Min./Max. hold to capture pressure events
- Rotatable display
- Adjustable pressure range and output
- 2 wire 4-20mA output
- Standard 120ms response time
- Internal push button keys with key lock feature
- Optional NIST certification

WIRING



SPECIFICATIONS

Supply Voltage	12-32 VDC	Display	0-7500 psi (0-51710.68 KPa)
Signal Output	4-20 mA (2-wire)	Type	4 digit, 10mm LCD with LED backlight
Maximum Output		Accuracy	±0.25% FS (URL) + last digit
Impedance	545Ω @ 24 VDC	Operating Temperature	-10° to 60°C (14° to 140°F)
Adjustments	Zero and Span Adjustable	Wetted Parts	316 Stainless Steel and 17-4PH SS
Accuracy	±0.25% Full Scale (includes linearity, hysteresis, and repeatability)	Storage Temperature	-20° to 70°C (-4° to 158°F)
Thermal Effect	±0.02% FS (URL)/°C from 23°C reference	Enclosure Rating	Epoxy coated aluminum, NEMA 4X (IP65)
Overpressure (Proof)		Process Connection	1/4 FNPT
1500 psi FS and below	200% FS value	Wiring Terminations	Cable Gland (Cable Diameters 0.35" to 0.47")
3000, 5000 psi	150% FS value	Approvals	CE
7500 psi	120% FS value	Weight	Approx. 1.0 lb (0.45 kg)
Measurement Range	Vac-15 psi (-101.6 Vac to 103.4 KPa) to	Warranty	1 year

ORDERING INFORMATION

MODEL	DESCRIPTION
GC51-15V	Pressure transmitter, Vac to 15 psi
GC51-30V	Pressure transmitter, Vac to 30 psi
GC51-50V	Pressure transmitter, Vac to 50 psi
GC51-50	Pressure transmitter, 0-50 psi
GC51-100	Pressure transmitter, 0-100 psi
GC51-150	Pressure transmitter, 0-150 psi
GC51-300	Pressure transmitter, 0-300 psi
GC51-500	Pressure transmitter, 0-500 psi
GC51-1000	Pressure transmitter, 0-1000 psi
GC51-1500	Pressure transmitter, 0-1500 psi
GC51-3000	Pressure transmitter, 0-3000 psi
GC51-5000	Pressure transmitter, 0-5000 psi
GC51-7500	Pressure transmitter, 0-7500 psi

PT	RELATED PRODUCTS	PAGE
DCPA-1.2	1/4" pigtail syphon with fittings	1112
DCP-1.5-W	Power supply, 120 VAC In to 24 VAC/24 VDC Out	994
47B-1	Power supply, 24 VAC IN to 24 VDC OUT	995
47S-1	Brass piston style snubber	1112
	Stainless steel piston style snubber	1112