

EST3135 Pressure Transducer for VRF Air-Conditioning System

- ✓ Pressure type: Gauge Pressure
- ✓ Range: 0~50bar
- ✓ Accuracy: $\pm 1.0\%F.S$, $\pm 2.0\%F.S$
- ✓ Customized working temperature: $-35^{\circ}C \sim 105^{\circ}C$
- ✓ Signal output: 0.5~2.5...4.5Vdc
- ✓ Power supply: $5 \pm 0.25Vdc$
- ✓ Housing material: Brass
- ✓ Ingress Protection: IP65
- ✓ OEM: Available



Applications

VRF Air-conditioning system

Product Introduction

EST3135 pressure transducers line is specially designed for VRF air-conditioning system. The product features low power, bidirectional over voltage protection, high overload capacity, great electrical strength and salt-spray resistance that can meet the special demands of VRF.

Electrical Connections and Dimensional drawings

Electrical connection		
Cable	Three wire	Packard
Red	Power Supply	B
Blue/Green	Output	C
Black	GND	A
Yellow	Shield	
Signal output		
Three wire	0.5~2.5~4.5V(dc)	

Specifications

Measuring Range	0~50bar	Positive overvoltage	16.5Vdc
Overload pressure	2 times of rated pressure	Negative overvoltage	-14.5Vdc
Burst Pressure	5 times of rated pressure	Electrical strength	1500Vac/1min
Accuracy	±1.0%F.S, ±2.0%F.S	Salt-spray resistance	Yes
Working temperature	-35~105℃	Pressure type	GP (G)
Electrical Connections	Packard	Response time	10ms/Max
Pressure connection	Cooper Pipe	Ingress Protection	IP65
Housing material	Brass	Static	±8Kv Air discharge, ±4Kv Contact discharge
Electrical parameters	Three wire	Electric Magnetic Field	±10V/m
Output Signal	0.5~4.5Vdc	Applicable Refrigerant	CR O-ring: R12, R22, R134A, R404A, R407C, R410A, R502, R507
Power supply	5Vdc		
Power supply	≤8mA		HNBR O-ring: R134A, R404A, R407C, R410A, R507

1MPa=10bar; 1bar≈14.5PSI; 1PSI=6.8965kPa; 1kgf/cm²=1atm; 1atm≈98kPa