# EST3122 Pressure Transducer for Water Cooling/Heat Pump Unit

- ✓ Pressure type: Gauge Pressure
- ✓ Range: 0~5bar…50bar
- ✓ Accuracy: ±0.5%F.S
- ✓ Customized working temperature: -35℃~105℃
- ✓ Signal output: 4~20mA, 0.5~2.5…4.5Vdc
- ✓ Power supply: 10~30Vdc, 5Vdc
- ✓ Housing material:304SS
- ✓ Ingress Protection: IP65
- ✓ OEM: Available


## Applications

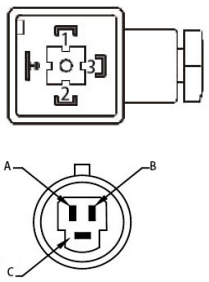
Water-cooler screw chillers | Water-sourced heating pumps | Over-flowed high temperature chillers

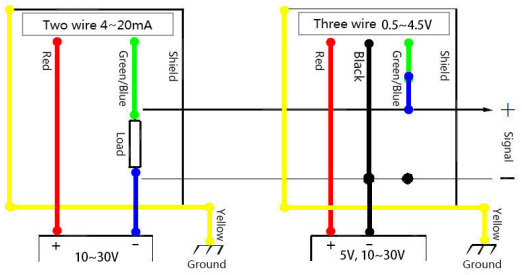
## Product Introduction

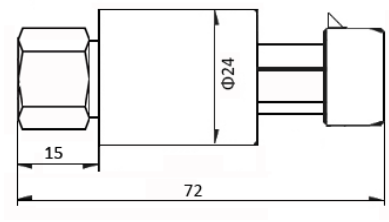
EST3122 line is anti-condensation pressure transducer. The product is widely used in water-cooler screw chillers, water-sourced heating pumps, and water-sourced heating pumps for measuring the pressure of refrigerant and cooling medium before and after the capability exchange of the controller according to the pressure control chiller operation.

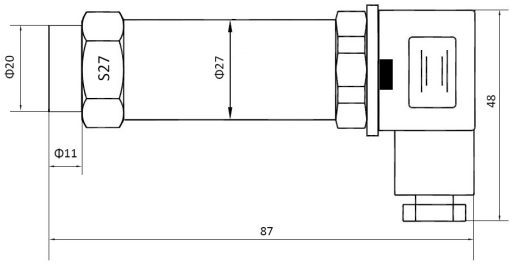
## Electrical Connections and Dimensional drawings

| Electrical connection | | | | | |
|---|---|---|---|---|---|
| Cable | Two wire | Cable | Three wire | Hirschman | Packard |
| Red | Power Supply | Red | Power Supply | 1 | B |
| Blue/Green | Output | Blue/Green | Output | 2 | C |
| | | Black | GND | 3 | A |
| Black | Shield | Yellow | Shield | ⏚ | |
| Signal output | | | | | |
| Two wire | 4~20mA | | | | |
| Three | 0.5~4.5V | | | | |






# Specifications

| | | | | |
|---|---|---|---|---|
| Measuring Range | 0~5bar…50bar | | Pressure type | GP (G) |
| Overload pressure | 1.5 times of rated pressure | | Response time | 10ms/Max |
| Burst Pressure | 2 times of rated pressure | | Ingress Protection | IP65 |
| Accuracy | ±0.5%F.S | | Static | ±8Kv Air discharge, ±4Kv Contact discharge |
| Working temperature | -35～105℃ | | Electric Magnetic Field | ±10V/m |
| Electrical Connections | Packard, Hirschman | | Applicable Refrigerant: | CR O-ring: R12, R22, R134A，R404A, R407C, R410A, R502, R507 |
| Pressure connection | 7/16-20UNF, 9/16-20UNF | | | |
| Housing material | 304SS | | | HNBR O-ring: R134A, R404A, R407C, R410A, R507 |
| Electrical parameters | Two wire | Three wire | | |
| Output Signal | 4~20mA | 0.5~2.5…4.5Vdc | | |
| Power supply | 10~30Vdc | 5Vdc | | |
| 1MPa=10bar; 1bar≈14.5PSI; 1PSI=6.8965kPa; 1kgf/cm2=1atm; 1atm≈98kPa | | | | |