

# QDX50A Differential Pressure Transmitter

## Overview

QDX50A Hersman differential pressure is assembled with OEM silicon piezoresistive differential pressure oil-filled core. The housing is made of stainless steel Hersman plug construction, the medium water, gas, hydraulic can be measured, the two pressure interfaces are threaded, can be installed directly on the measurement pipe or connected through the pressure tube. QDX50A series has standard voltage, current output to choose from, can be easily installed and used, widely used in process control, aviation, aerospace, automotive, medical equipment, HVAC and other fields of differential pressure, liquid level, measurement and control.



## Parameters

Measuring range : -0.1~4MPa  
 Output signal : 4~20mA, 0~10V, 0~5V, RS485  
 Pressure type: differential pressure, gauge pressure, absolute pressure, seal pressure  
 Power supply : DC12~32V(5V, 3.3V voltage only customized)  
 Compensation temperature : -10~70°C  
 Operating temperature : -20~60°C  
 Response time : <10ms  
 Storage temperature : -40~100°C  
 Zero temperature drift: 0.15%FS  
 Sensitivity temperature drift: soil 0.15FS  
 Overload pressure : 150%FS  
 Mechanical vibration : 20g(20~5000Hz)  
 Impact : 100g(11ms)  
 Overall accuracy : 0.2%, 0.5% optional  
 Long-term stability: 0.2%FS/ year  
 Insulation : 100M $\Omega$ , 250V DC  
 Material : IP65  
 Media compatible: Various liquids or gases compatible with stainless steel  
 Features : RS485 communication interface; Support networking application; Using digital compensation and nonlinear correction technology; High sensitivity; High precision; No part reliably offers a wide range of pressure ranges for low, medium and high pressures.

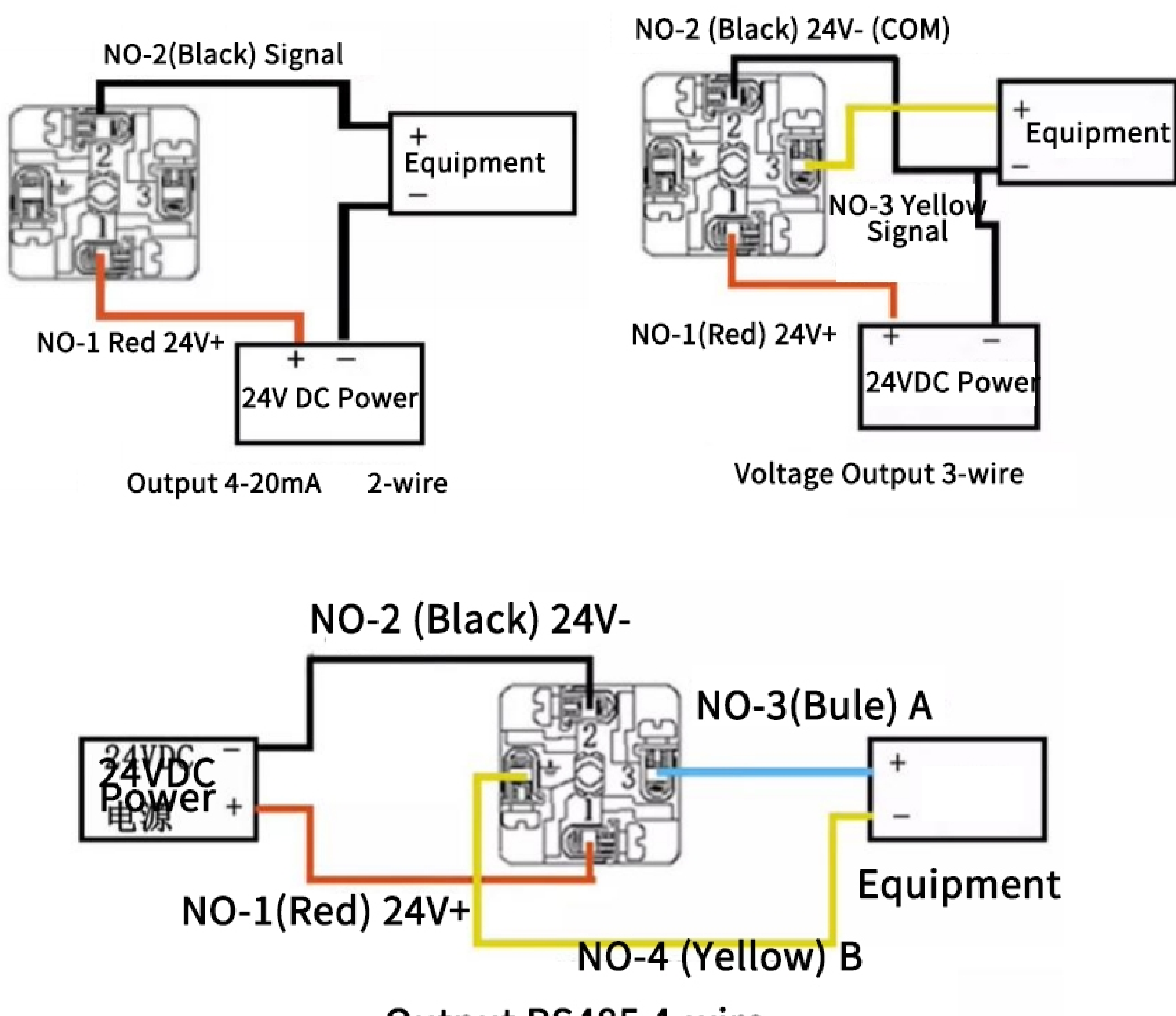
## Connected Thread

Code	M20*1.5	G 1/2	G 1/4
Size			
Torque	15~25Nm	15~25Nm	15~25Nm

## Electrical Connection

Code	Tube-59	Tube-49	Tube-29
Size Unit:mm			
Code	Tube-59	Tube-49	Tube-29
Size Unit:mm			
Code	Tube-59	Tube-49	Tube-29
Size Unit:mm			

## Wire



## Installation method

- (1) Choose a place that is easy to operate and maintain for installation;
- (2) should be as far away from the vibration source installation, heat source;
- (3) It is best to install three valve groups on the pipeline to avoid damage due to excessive loading of the product;
- (4) When installing, use a wrench to clamp the transmitter at the six square;
- (5) The connection between the Hersman joint and the housing cannot be rotated during operation.