

PDS INTELLIGENT PRESSURE TRANSMITTER

By integrating world-class microelectronic and mechanical (MEMS) technology, electronic and electrical technology, software technology and structural design technology, PDS intelligent transmitter is high-performance intelligent differential pressure\pressure transmitter which is designed by **Chongqing Chuanyi Automation Co., LTD.** This product adopts world advanced composite micro silicon solid state sensors with high reliability electronics modular design, precise temperature compensation and linearity compensation system to ensure the accuracy and long-term stability of the product.

With complete intelligent diagnosis and simulation, amount to 14 kinds of local machine function setting, a variety of optional communication protocol, complete specifications of liquid material, high performance of EMC and lightning protection features, etc., PDS intelligent pressure transmitter win high praise by domestic and foreign customers since launching market. It is widely used in electrical power, metallurgical industry, chemical industry, petroleum industry, building materials, light industry, nuclear industry and so on.

PDS transmitters are used for measuring the pressure, differential pressure, flow, level, and density of liquid, gas and steam.

HIGH QUALITY

- ✓ Basic Precision : better than 0.074%(maximum 0.04%)
- ✓ Measure Ratio : 100:1
- ✓ Measuring range : differential pressure 100Pa-20MPa; pressure 1kPa-69MPa
- ✓ Output signal : 4-20mA superposition of HART protocol digital communication; PROFIBUS-PA site bus Communication, FF site bus Communication
- ✓ Ultimate overload : differential pressure 42MPa ~ pressure 105MPa
- ✓ Static pressure influence : 0.15%/10MPa
- ✓ Temperature range : environment temperature -40 °C ~ 85 °C medium temperature -90 °C~400 °C
- ✓ Long drift : ≤ 0.1%/5 years
- ✓ Temperature influence : ≤ (0.08*r+0.1) % ~(-10~60 °C)
- ✓ Blast-resistant : intrinsic safety type Ex-ia IIC T6; flame-proof type Ex-d IIC T6
- ✓ Protection grade: IP67
- ✓ Lightning protection function
- ✓ DC breakdown voltage : ±20 % @ 100 V/s; 600V

PULSE DISCHARGE CURRENT :

- 20000 A, 8/20 μs 1 (Impact number of times)
- 10000 A, 8/20 μs > 10 (Impact number of times)
- 200 A, 10/1000 μs > 300 (Impact number of times)
- 200 A, 10/700 μs > 500 (Impact number of times)

TRANSMITTER



重庆川仪
CHONGQING CHUANYI

MODEL GUIDE OF PDS TRANSMITTER

There are different models and different structures of PDS transmitter to meet various need.



PDS403 pressure transmitter
PDS423 absolute pressure transmitter



PDS443 differential pressure transmitter
PDS493 micro differential pressure transmitter



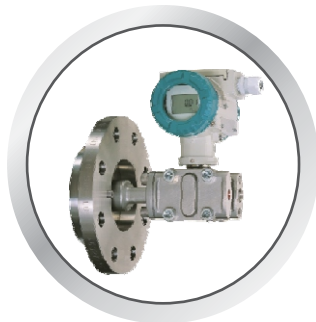
PDS405 pressure transmitter
PDS406 high pressure transmitter
PDS433 absolute pressure transmitter



PDS453 high static differential pressure transmitter



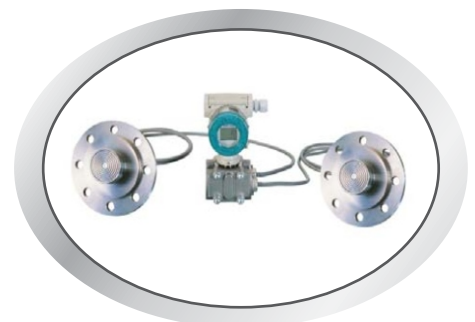
PDS46 level transmitter



PDS47 remote pressure transmitter



PDS48 remote differential pressure transmitter
PDS48 vacuum static remote differential pressure transmitter



— FOR ENQUIRES —

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