

MARINE PRESSURE INSTRUMENT

MDM390 Piezoresistive Differential Pressure Transducer

Accuracy: 0.25%FS. Pressure Range:0-3.5MPa. Max. static pressure 20MPa. Liquid, gas and other media differential pressure measurement. Features: Full solid insulation, high stability, reli...

ISO9001 Supplier

Class Certificate

Export Supply



Key Highlights

Category	Marine Pressure Instrument
Standard	DIN
Weight / Size	Compact size.
Certificate	ABS, LR, BV, DNVGL, NK, KR, IRS, RMRS, CCS

We can supply according to your requirement, drawings, class certificate needs, and delivery schedule.

Technical Specifications

Category	Marine Pressure Instrument	Model / SKU	MDM390-Piezoresistive-Differential-Pressure-Transducer
Standard	DIN	Weight / Size	Compact size.
Certificate	ABS, LR, BV, DNVGL, NK, KR, IRS, RMRS, CCS	Warranty	12 Months unless specified otherwise
Origin	China		

CONTENTS

- China MDM390 Piezoresistive Differential Pressure Transducer:
 - Introduction
- Features:

China MDM390 Piezoresistive Differential Pressure Transducer:

Accuracy: 0.25%FS.

Pressure Range:0-3.5MPa.

Max. static pressure 20MPa.

Liquid, gas and other media differential pressure measurement.

Features:

Full solid insulation, high stability, reliability and accuracy.

Constant current supply.

Max. static pressure 20MPa.

G1/4 female pressure port.

Liquid, gas and other media differential pressure measurement.

Compact size.

Introduction

Differential pressure transducer is produced by putting OEM differential pressure sensor into full-welded housing with G1/4 female for both positive and negative cavities. The transducer could be mounted into measuring tube through G1/4 female pressure port or leading tube. It is cable connection. The transducer could be widely used in industrial process control, flow measure, medical device, air dynamical measure and liquid pressure instrument or pneumatic plant, etc.

Specification:

Pressure range	0 ~ 35kPa...3.5MPa
Zero output	≤2mVDC
Output signal	≥60mVDC
+overpressure	2 times FS
-overpressure	1 time FS or 1MPa (min. value is valid)
Static pressure	≤20MPa
Static pressure effect	≤0.05mV/100kPa
Accuracy (① non-linearity + hysteresis + repeatability)	+0.25%FS (typ.) +0.5%FS (max.)
Zero drift	< +0.05mV/°C
FS drift	< +0.01%FS/°C
Long-term stability	+0.3%FS/year (typ.) +0.5%FS/year (max.)
Compensation temp.	0°C ~ 50°C
Operation temp.	-30°C ~ 100°C
Storage temp.	-40°C ~ 100°C
Response time	+ pressure cavity < 3kHz
	- pressure cavity < 2kHz

Diaphragm	Stainless steel 316L
Housing	Stainless steel 1Cr18Ni9Ti
O-ring	Viton
Cable	Φ7.2mm PVC cable
Insulation resistor	100MΩ,100VDC
Protection	IP65