Jinbo Marine

Marine & Offshore Equipment Datasheet

PRODUCT DATASHEET

MARINE PRESSURE INSTRUMENT

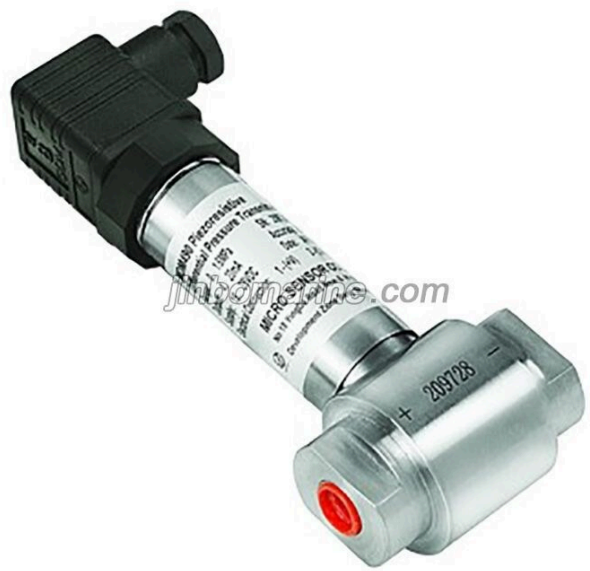
MDM490 Piezoresistive Differential Pressure Transmitter

ISO9001 Supplier

Class Certificate

Export Supply

Features: Full stainless steel construction, compact size, easy installation. Laser welding, full-sealed construction. protection IP65. Using piezoresistive differential pressure sensor, 316...



Key Highlights

Category	Marine Pressure Instrument
Standard	ISO
Material	Full stainless steel construction, compact size, easy installation.
Weight / Size	Full stainless steel construction, compact size, easy installation.
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	MDM490-Piezoresistive-Differential-Pressure-Transmitter
Standard	ISO	Material	Full stainless steel construction, compact size, easy installation.
Weight / Size	Full stainless steel construction, compact size, easy installation.	Certificate	ABS, LR, BV, DNVGL, NK, KR, IRS, RMRS, CCS
Warranty	12 Months unless specified otherwise	Origin	China

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0.068957s

Features:

Full stainless steel construction, compact size, easy installation.

Laser welding, full-sealed construction. protection IP65.

Using piezoresistive differential pressure sensor, 316L isolated diaphragm.

Temperature compensation and aging, stable performance.

Zero and span adjustable outside.

Ex-proof version MDM490 conforms to GB3836.4 standard. ex-proof certificate is approved.

Ship-use product conforms to CCS Rules of Classification of Sea-going Steel Ships (2006) . ship-use certificate is approved.

CE and ROHS certificates

Introduction:

MDM490 uses piezoresistive differential pressure sensor as sensing element. Silicon oil is filled in between die and two diaphragms, when measured differential pressure is added on two diaphragm, the pressure could be transferred onto die through silicon oil. Sensor die connects with amplifier circuit through wires, using semi-conductor’s piezoresistive effect, transforming differential pressure signal into electric signal. The whole product is used for differential pressure measurement of petroleum, chemi-industry, power station and hydrology, etc.

Specification:

Min.	Typ.	Max.	Unit	
Accuracy	0 ~ 100kPa	0.25	0.5	%FS
	200 ~ 3500kPa	0.25	0.5	
Zero Thermal error	0 ~ 100kPa	0.75	1.25	±%FS, @25℃
	200 ~ 3500kPa	0.5	0.75	
FS Thermal error	0 ~ 100kPa	0.75	1.25	
	200 ~ 3500kPa	0.5	0.75	
Stability	≤200kPa		0.5	%FS/year
	≤3500kPa		0.2	
Static pressure effect			0.05	±%FS, each 100kPa
Compensation temp.		0 ~ 50		℃
Operation temp.		-10 ~ 80		
Storage temp.		-40 ~ 120		