

FPD510 4-20ma Compact Integral Orifice Flowmeter IOMaster

Our Product Introduction

Basic Information

- Brand Name: ABB
- Model Number: FPD510



Product Specification

- Accuracy: High
- Communication Protocol: HART, PROFIBUS, FOUNDATION Fieldbus
- Fluid: Gas, Liquid
- Installation Type: In-line, Insertion
- Material: Stainless Steel, Alloy Steel, Titanium
- Measuring Principle: Differential Pressure
- Output Signal: 4-20mA
- Pressure Range: 0-100Bar
- Process Connection: Flange, Thread, Sanitary
- Product Name: ABB Flow Measurement Products
- Product Type: Flow Measurement
- Range: Wide
- Temperature Range: 0-150
- Warranty: 1 Years
- Highlight: **20ma orifice flowmeter,**

Product Description

Compact integral orifice flowmeter IOMaster FPD510

A fully coded, one-piece flowmeter that combines the features and benefits of integral orifice metering with a 3- or 5- valve instrument manifold and the latest ABB DP and multivariable transmitters.

Overview

IOMaster joins OriMaster, WedgeMaster and PitoMaster to form the new compact DP family. IOMaster is available in sizes DN15, DN25 and DN40 (½, 1 and 1½ in.) and is designed for metering small flowrates of clean liquids or gases in relatively small pipelines. OriMaster is supplied in two versions – one for volumetric flow and one for mass (or corrected volume) flow.

Versatile metering package for low flowrates and small pipelines

- Available with or without upstream/downstream pipework; wide choice of orifice plate bores gives a range of DP and pressure loss values to suit application conditions

Enhanced Reliability, reduced maintenance

- As a one-piece flowmeter, pressure tested at the factory, problems during commissioning and operation associated with impulse line leakage
- As well as installation errors - are virtually eliminated

Data

Utilizes ABB's new 266 series DP and multivariable transmitters with optional Through The Glass technology

- enables meter configuration without the removal of the transmitter cover

Option of alloy or stainless steel transmitter body

- enables supply of an all-stainless-steel, one piece flow meter
- for ambient conditions require stainless steel exposed parts

Integral ABB 266CSH multivariable transmitter available

- measures DP, Pressure and Temperature
- enables flowmeter to measure mass or corrected gas volume

Available in small pipe sizes

- pipe sizes of DN15, DN25 or DN40 (½, 1 or 1½ in.)
- for small flowrates and pilot plant applications

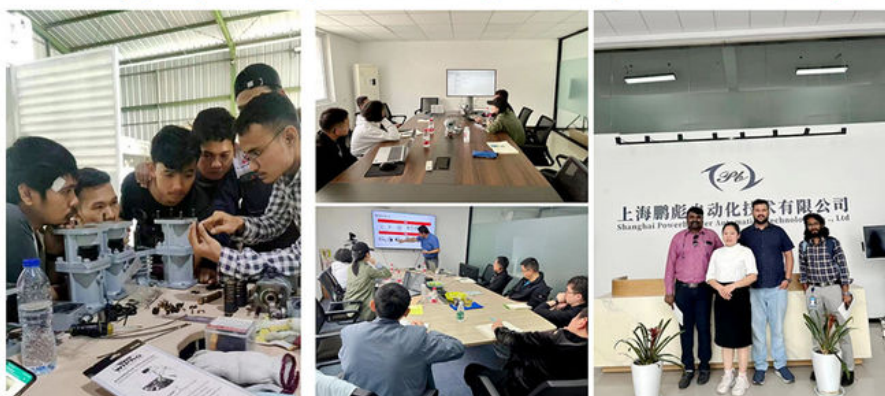
Replaceable orifice plates as standard for all sizes

- enables easy modification to changes in process conditions / fluid

Option of female-threaded or welded flanged pipework connections

- range of process connections to suit installation

Inner training, pre-shipment training, onsite commissioning, onsite training—Focus on detail and complete



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