



instrument

**2024
PRODUCT
INTRODUCTION**

Panel Rotameter



CONTENTS

I. Product Overview 3

II. Technical Parameters 3

III. Structure and Size 4

Company Profile

Weifang AOBO Instrument Technology Development Co., Ltd., founded in 2002, with registration capital of 10 million RMB, is a "High-Tech" and "Double-Software Certification" enterprise specialized in "flow measurement and intelligent measurement & control" industry, integrating R&D, production, sales and service.

The company has a core R&D team for computer software and technology, automatic intelligent control, HVAC engineering design and flow measurement. It has the ability to provide customers with specific solutions and complete sets of products according to their different needs, based on years of practical experience. Especially in the heating industry, by the customer's recognition, has a high reputation in the industry.

The products are mainly used in the measurement and control of "steam, liquid, gas, sewage and tap water"; and especially suitable for energy monitoring and energy-saving control in many industries, such as thermal power plants, thermal companies, residential heating, petroleum, chemical industry, papermaking, food, coating, printing & dyeing and HVAC.

Since its foundation, based on self-developed and leading technology, reliable quality, high-quality service and good reputation, our company has been warmly accepted by customers, and become a designated supplier for many central enterprises and listed companies.

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All of the catalogue and company information can be found at:

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I. Product Overview

Acrylic tube rotameter (panel type & piping type) is one of the variable-area flow meters. The measuring tube is made of high-quality and transparent lucite (acrylic). This rotameter is mainly applied to clean water treatment and environmental protection projects. It is also widely used in chemical industry, petroleum, light industry, medicine, fertilizer, food, papermaking scientific research and other fields to measure the single-phase and non-pulsing flow of liquid and gas.

Acrylic tube rotameter (panel type & piping type) has the features of high transparency, easy to read, not easy to break, light weight, long-life, easy installation and connection, etc.



II. Technical Parameters

Normal flow rate range (water)	GPM	0.1~1	0.2~2	1~5	1~10	2~16	2~20	4~40	6~60	10~100	50~150
	LPM	0.5~4	1~7	2~18	5~35	4~60	10~70	15~150	25~250	50~350	190~550
Accuracy	±4%FS ±6%FS										
Repeatability	±0.25%FS										
Maximum pressure	1MPa/150psig (Higher pressure resistance needs to be customized)										
Maximum temperature	80°C/176°F										
Body material	PMMA(Acrylic)										
Float material	316(Stainless steel) Agate ball (micro flow)										
Guide rod material	316(Stainless steel)										
Fastening screw material	H62(Copper)										
Tube connection	PVC, ABS(Nonpoisonous)										

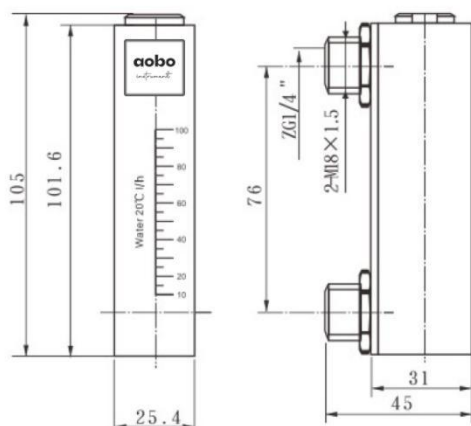
material	(Can be made of stainless steel or copper chromium)
Upper and lower adapter bearing	F46
O Shape sealing ring	Silicon rubber &Viton

III. Structure and Size

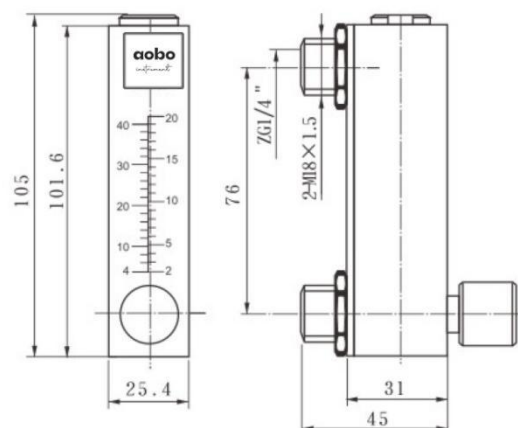
3.1 ABDT-LZT-8 Series Panel Type Flowmeter

Model	Measuring range	Medium	Remarks
ABDT-LZT-0802M	2~20l/h	Water	Without valve special acrylic
ABDT-LZT-0804M	4~40l/h		
ABDT-LZT-0806M	6~60l/h		
ABDT-LZT-0810M	10~100l/h		
ABDT-LZT-0802M-V	2~20l/h		With valve special acrylic
ABDT-LZT-0804M-V	4~40l/h		
ABDT-LZT-0806M-V	6~60l/h		
ABDT-LZT-0810M-V	10~100l/h		
ABDT-LZT-08A001M-V	50~500ml/min	Air	With valve special acrylic
ABDT-LZT-08A002M-V	0.1~1LPM		
ABDT-LZT-08A003M-V	0.2~2LPM		
ABDT-LZT-08A004M-V	0.3~3LPM		
ABDT-LZT-08A01M-V	1~10SCFH/0.5~5LPM		
ABDT-LZT-08A02M-V	2~20SCFH/1~10LPM		
ABDT-LZT-08A04M-V	4~40SCFH/2~20LPM		
ABDT-LZT-08A08M-V	8~80SCFH/4~40LPM		
ABDT-LZT-08A10M-V	10~100SCFH/5~50LPM		
ABDT-LZT-08A20M-V	20~200SCFH/10~100LPM		
ABDT-LZT-08A30M-V	30~300SCFH/10~150LPM		

3.2 Dimensions Diagrams(mm)



ABDT-LZT-08 □□ M



ABDT-LZT-08A □□ M-V

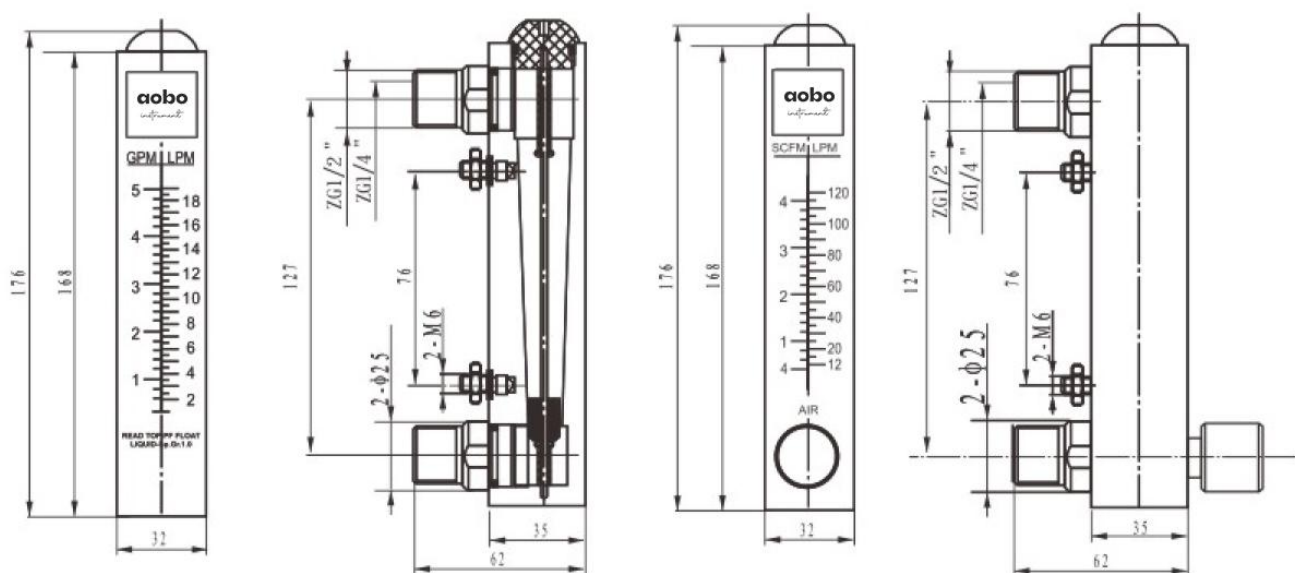
ABDT-LZT-08 □□ M-V

3.3 ABDT-LZT-10 Series Panel Type Flowmeter

Model	Measuring range	Medium	Remarks
ABDT-LZT-10005M	0.05~0.5GPM/0.2~2LPM	Water	Without valve
ABDT-LZT-1001M	0.1~1GPM/0.5~4LPM		
ABDT-LZT-1002M	0.2~2GPM/1~7LPM		
ABDT-LZT-1003M	0.3~3GPM/1~11LPM		
ABDT-LZT-1005M	0.5~5GPM/2~18LPM		
ABDT-LZT-10005M-V	0.05~0.5GPM/0.2~2LPM		With valve
ABDT-LZT-1001M-V	0.1~1GPM/0.5~4LPM		
ABDT-LZT-1002M-V	0.2~2GPM/1~8LPM		
ABDT-LZT-1003M-V	0.3~3GPM/1~11LPM		
ABDT-LZT-1005M-V	1.0~5GPM/2~18LPM		
ABDT-LZT-1010M/T-V	10~100L/h		
ABDT-LZT-1016M/T-V	16~160L/h		
ABDT-LZT-10A04M-V	0.4~4SCFM/12~120LPM	Air	With valve
ABDT-LZT-10A08M-V	1~8SCFM/24~240LPM		
ABDT-LZT-10A12M-V	1.2~12SCFM/36~360LPM		

ABDT-LZT-10A16M-V	1.6~16SCFM/48~480LPM		
ABDT-LZT-10A24M-V	2.4~24SCFM/72~720LPM		
ABDT-LZT-10T03M-V	0.3~3m ³ /h		
ABDT-LZT-10T04M-V	0.4~4m ³ /h		
ABDT-LZT-10T06M-V	0.6~6m ³ /h		
ABDT-LZT-10T10M-V	1~10m ³ /h		
ABDT-LZT-10T16M-V	1.6~16m ³ /h		
ABDT-LZT-10T25M-V	2.5~25m ³ /h		

3.4 Dimensions Diagrams(mm)



ABDT-LZT-10 □□ M-V

ABDT-LZT-10 □□ M

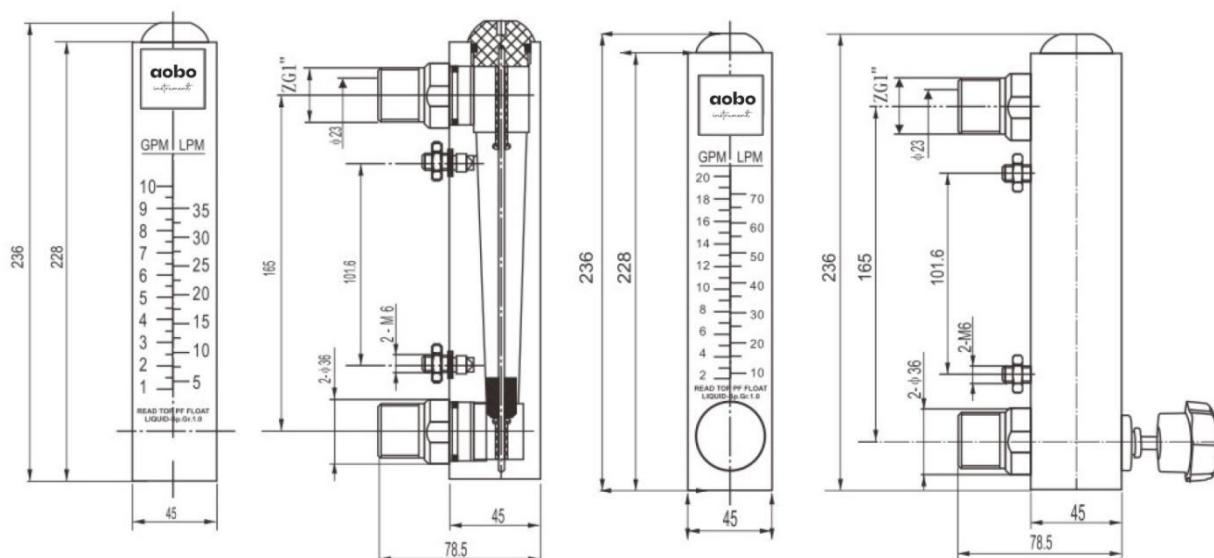
ABDT-LZT-10T □□ M-V ABDT-LZT-10A □□ M-V

3.5 ABDT-LZT-25 Series Panel Type Flowmeter

Model	Measuring range	Medium	Remarks
ABDT-LZT-2510M	1~10GPM/5~35LPM	Water	Without valve
ABDT-LZT-2516M	2~16GPM/10~60LPM		
ABDT-LZT-2520M	2~20GPM/10~70LPM		
ABDT-LZT-2525M	2.5~25GPM/10~100LPM		

ABDT-LZT-2530M	3-30GPM/12-120LPM		With valve
ABDT-LZT-2535M	5-35GPM/20-130LPM		
ABDT-LZT-2540M	4-40GPM/15-150LPM		
ABDT-LZT-2510M-V	2~10GPM/5~35LPM		
ABDT-LZT-2516M-V	4~16GPM/12~60LPM		
ABDT-LZT-2520M-V	4~20GPM/10~70LPM		
ABDT-LZT-2540M-V	10~40GPM/30~150LPM		
ABDT-LZT-25A40M	4-40SCFM/7~70m ³ /h	Air	Without valve
ABDT-LZT-25A60M	6-60SCFM/10~100m ³ /h		

3.6 Dimensions Diagrams(mm)



ABDT-LZT-25 □ □ M

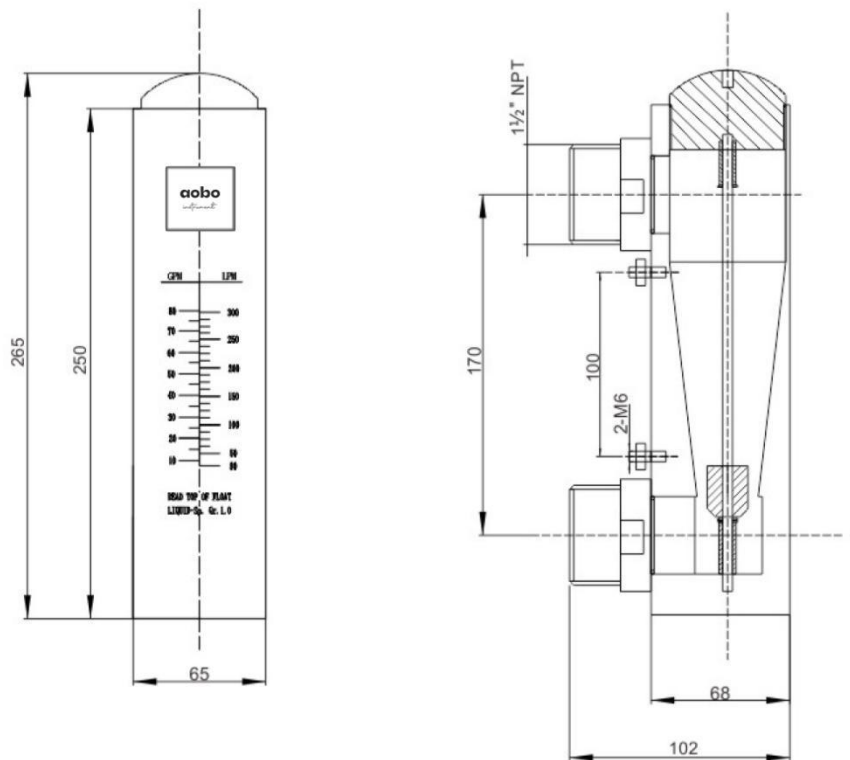
ABDT-LZT-25 □ □ M-V

ABDT-LZT-25A □ □ M

3.7 ABDT-LZT-40 Series Panel Type Flowmeter

Model	Measuring range	Medium	Remarks	Interface
ABDT-LZT-4060M	10~60GPM/25~250LPM	Water	Without valve	1½"NPT (PP Material)
ABDT-LZT-4080M	10~80GPM/3~300LPM			

3.8 Dimensions Diagrams(mm)



ABDT-LZT-40 □□ M

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