aobo
instrument

Handbook

ABDT-LZT Panel Rotameter

Weifang AOBO Instrument Technology Development Co.,Ltd

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I. Product Overview

Panel rotameter is also called the variable-area flowmeter.The material of measuring tube is made of High-quality and transparent lucite(acrylic).This flowmeter is mainly applied to form a complete set in clean water treatment and environmental protection projects. It also can be used in chemical industry, petroleum, light industry medicine, fertilizer, food, paper-making and scientific research,etc.,to measure the single-phase non- pulsing flow of liquid and gas.

Panel rotameter has the characteristics of high transparency, reading is intuitive, unbreakable, light weight, long-life,easily installed and serviced ect.

II. Technical Parameters

Normal flow 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									
Max pressure		1MPa/150psig (Higher pressure resistance needs to be customized)									
Max temperature		80℃/176°F									
Body material		PMMA(Acrylic)									
Float material		316(Stainless steel) Agate ball (micro flow)									
Guide rod material		316(Stainless steel)									
Fastening screw material		Copper									
Tube connection material		PVC, ABS(Nonpoisonous) (Can be made of stainless steel or copper chromium)									

Upper and lower adapter bearing	F46
O Shape sealing ring	Silicon rubber &Viton

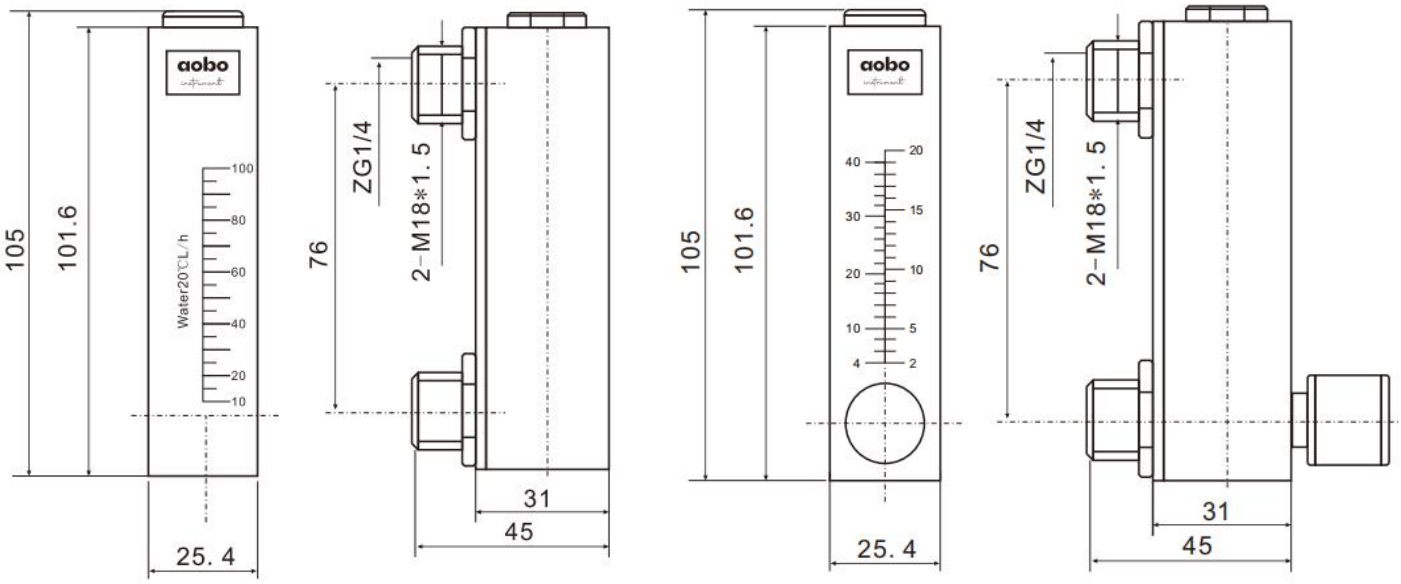
III. Structure and Size

3.1 ABDT-LZT-8 Series Panel Type Flowmeter

Model	Measuring range	Medium	Remarks
ABDT-LZT-0802M	2-20l/h	Water	Without valve
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
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
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

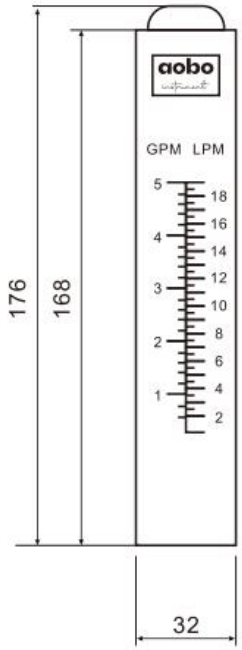
ABDT-LZT-08 □□ M-V

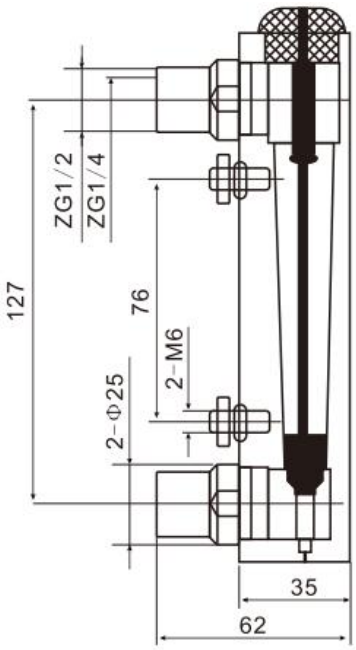
3.3 ABDT-LZT-10 Series Panel Type Flowmeter

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		

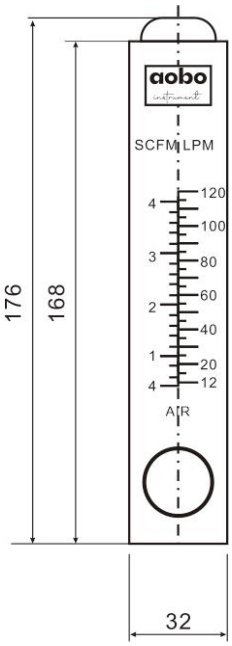
ABDT-LZT-1010M/T-V	10-100L/h		
ABDT-LZT-1016M/T-V	16-160L/h		
ABDT-LZT-10A04M-V	0.4-4SCFM/12-120LPM	Air	With valve
ABDT-LZT-10A08M-V	1-8SCFM/24-240LPM		
ABDT-LZT-10A12M-V	1.2-12SCFM/36-360LPM		
ABDT-LZT-10A16M-V	1.6-16SCFM/48-480LPM		
ABDT-LZT-10A24M-V	2.4-24SCFM/72-720LPM		
ABDT-LZT-10T03M-V	0.3-3m³/h		
ABDT-LZT-10T04M-V	0.4-4m³/h		
ABDT-LZT-10T06M-V	0.6-6m³/h		
ABDT-LZT-10T10M-V	1-10m³/h		
ABDT-LZT-10T16M-V	1.6-16m³/h		
ABDT-LZT-10T25M-V	2.5-25m³/h		

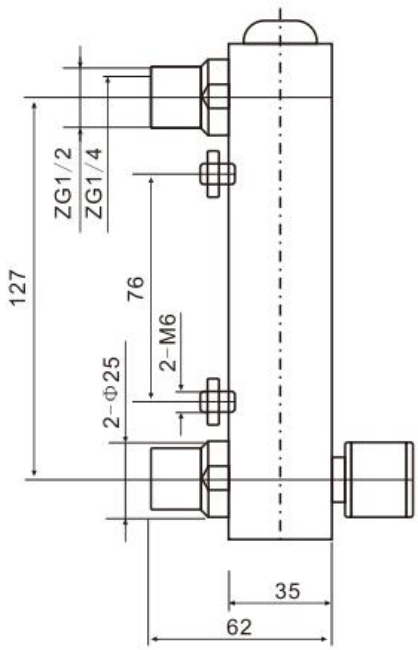
3.4 Dimensions Diagrams(mm)





ABDT-LZT-10 □□ M





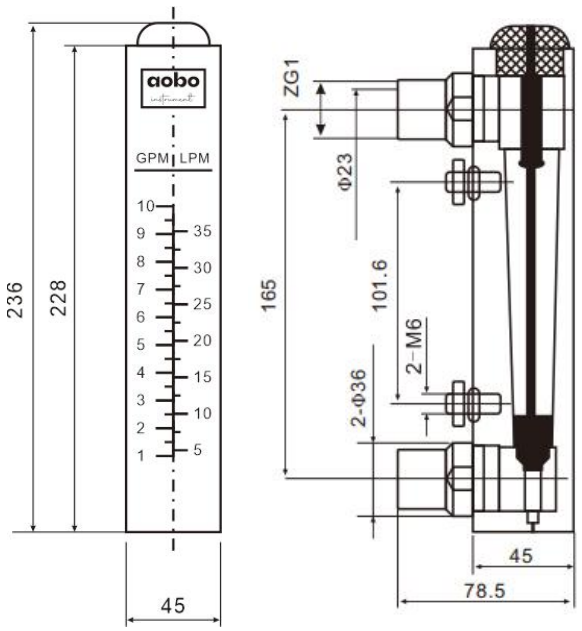
ABDT-LZT-10 □□ M-V

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

3.5 ABDT-LZT-25 Series Panel Type Flowmeter

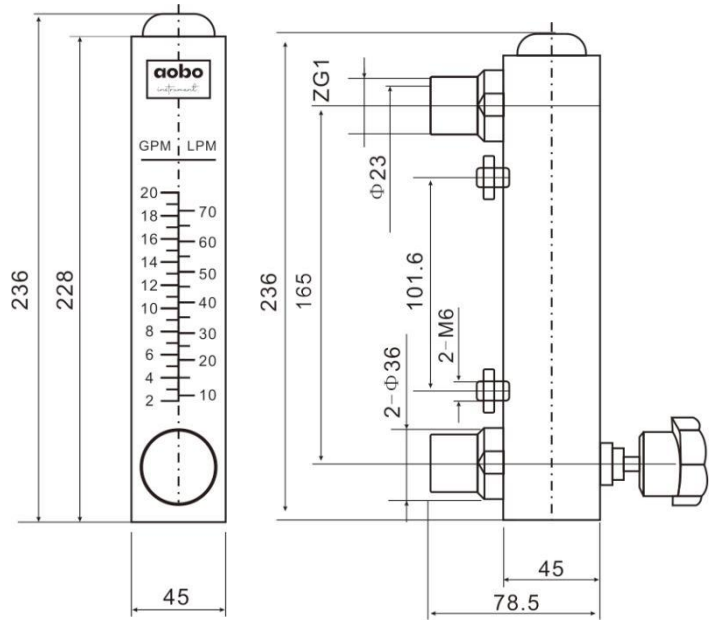
Model	Measuring range	Medium	Remarks
ABDT-LZT-2510M	1-10GPM/5-35LPM	Water	Without valve
ABDT-LZT-2516M	2-16GPM/10-60LPM		
ABDT-LZT-2520M	2-20GPM/10-70LPM		
ABDT-LZT-2525M	2.5-25GPM/10-100LPM		
ABDT-LZT-2530M	3-30GPM/12-120LPM		
ABDT-LZT-2535M	5-35GPM/20-130LPM		
ABDT-LZT-2540M	4-40GPM/15-150LPM		
ABDT-LZT-2510M-V	2-10GPM/5-35LPM		With valve
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-25A □□ M

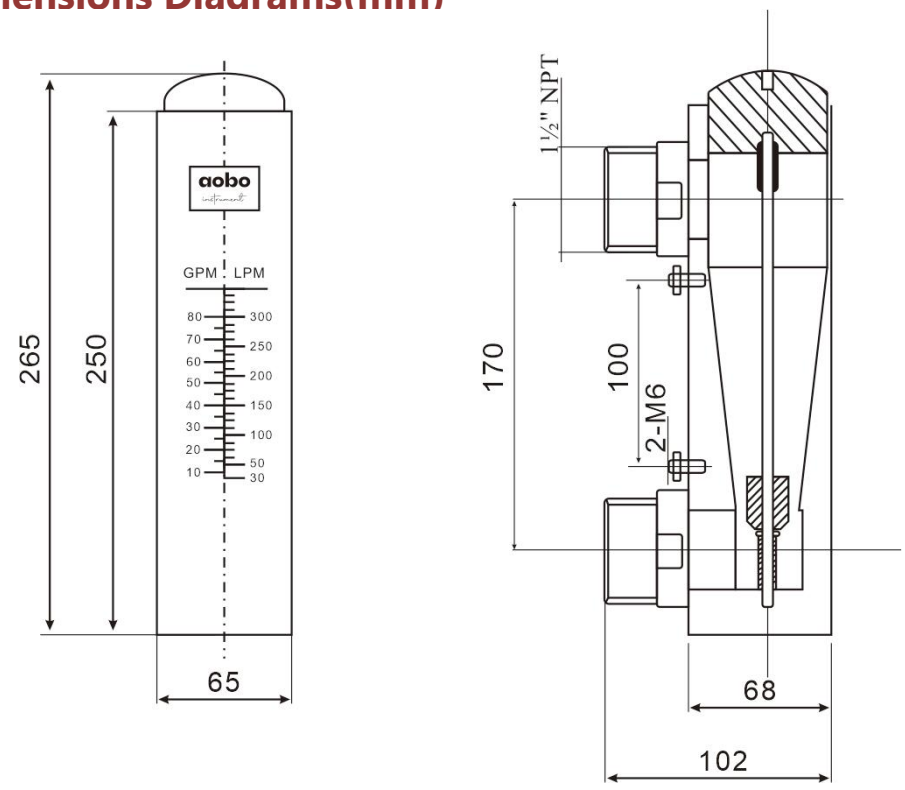


ABDT-LZT-25 □□ M-V

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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