



Ultrasonic Energy Meter

Energy Monitoring Capability, No Moving Parts, Compact and Light Weight

Models Select Chart

Model	Description
TUF-1000-BN	Tenant ultrasonic BTU flowmeter, DN100 pipe size and 60 m ³ /h permanent flow rate with BACnet® communication.
TUF-1000-MD	Tenant ultrasonic BTU flowmeter, DN100 pipe size and 60 m ³ /h permanent flow rate with Modbus® communication.
TUF-1250-BN	Tenant ultrasonic BTU flowmeter, DN125 pipe size and 100 m ³ /h permanent flow rate with BACnet® communication.
TUF-1250-MD	Tenant ultrasonic BTU flowmeter, DN125 pipe size and 100 m ³ /h permanent flow rate with Modbus® communication.
TUF-1500-BN	Tenant ultrasonic BTU flowmeter, DN150 pipe size and 150 m ³ /h permanent flow rate with BACnet® communication.
TUF-1500-MD	Tenant ultrasonic BTU flowmeter, DN150 pipe size and 150 m ³ /h permanent flow rate with Modbus® communication.
TUF-150-BN	Tenant ultrasonic BTU flowmeter, DN15 pipe size and 1.5 m ³ /h permanent flow rate with BACnet® communication.
TUF-150-MD	Tenant ultrasonic BTU flowmeter, DN15 pipe size and 1.5 m ³ /h permanent flow rate with Modbus® communication.
TUF-2000-BN	Tenant ultrasonic BTU flowmeter, DN200 pipe size and 200 m ³ /h permanent flow rate with BACnet® communication.
TUF-2000-MD	Tenant ultrasonic BTU flowmeter, DN200 pipe size and 200 m ³ /h permanent flow rate with Modbus® communication.
TUF-200-BN	Tenant ultrasonic BTU flowmeter, DN20 pipe size and

	2.5 m ³ /h permanent flow rate with BACnet® communication.
TUF-200-MD	Tenant ultrasonic BTU flowmeter, DN20 pipe size and 2.5 m ³ /h permanent flow rate with Modbus® communication.
TUF-250-BN	Tenant ultrasonic BTU flowmeter, DN25 pipe size and 3.5 m ³ /h permanent flow rate with BACnet® communication.
TUF-250-MD	Tenant ultrasonic BTU flowmeter, DN25 pipe size and 3.5 m ³ /h permanent flow rate with Modbus® communication.
TUF-320-BN	Tenant ultrasonic BTU flowmeter, DN32 pipe size and 6.0 m ³ /h permanent flow rate with BACnet® communication.
TUF-320-MD	Tenant ultrasonic BTU flowmeter, DN32 pipe size and 6 m ³ /h permanent flow rate with Modbus® communication.
TUF-400-BN	Tenant ultrasonic BTU flowmeter, DN40 pipe size and 10 m ³ /h permanent flow rate with BACnet® communication.
TUF-400-MD	Tenant ultrasonic BTU flowmeter, DN40 pipe size and 10 m ³ /h permanent flow rate with Modbus® communication.
TUF-500-BN	Tenant ultrasonic BTU flowmeter, DN50 pipe size and 15 m ³ /h permanent flow rate with BACnet® communication.
TUF-500-MD	Tenant ultrasonic BTU flowmeter, DN40 pipe size and 15 m ³ /h permanent flow rate with Modbus® communication.
TUF-650-BN	Tenant ultrasonic BTU flowmeter, DN65 pipe size and 25 m ³ /h permanent flow rate with BACnet® communication.
TUF-650-MD	Tenant ultrasonic BTU flowmeter, DN65 pipe size and 25 m ³ /h permanent flow rate with Modbus® communication.

	communication.
TUF-800-BN	Tenant ultrasonic BTU flowmeter, DN80 pipe size and 40 m ³ /h permanent flow rate with BACnet® communication.
TUF-800-MD	Tenant ultrasonic BTU flowmeter, DN80 pipe size and 40 m ³ /h permanent flow rate with Modbus® communication.

Accessories

Model	Description
WM-ACC-C01	WM2/WMT2 1/2" NPSM to NPT connector set
WM-ACC-C11	WM2/WMT2 1/2" BSPP to BSPT connector set
WM-ACC-C02	WM2/WMT2 3/4" NPSM to NPT connector set
WM-ACC-C12	WM2/WMT2 3/4" BSPP to BSPT connector set
WM-ACC-C03	WM2/WMT2 1" NPSM to NPT connector set
WM-ACC-C13	WM2/WMT2 1" BSPP to BSPT connector set
WM-ACC-C04	WM2/WMT2 1-1/4" NPSM to NPT connector set
WM-ACC-C14	WM2/WMT2 1-1/4" BSPP to BSPT connector set
WM-ACC-C05	WM2/WMT2 1-1/2" NPSM to NPT connector set
WM-ACC-C15	WM2/WMT2 1-1/2" BSPP to BSPT connector set

Specifications:-	
Service	: Clean, compatible liquids.
Wetted Materials	: Brass and 316L SS.
Range	: See chart on catalog page.
Display	: 8-digit LED.
Accuracy	: BTU: EN1434/CJ128 Class 2; Flow: $\pm(2+(0.02 Q_p / Q))\%$; Temperature: $\pm 0.1^\circ\text{C}$.
Power Requirements	: 24 VDC/VAC (model dependent) or 3.6 V ER26500 lithium metal battery, user supplied and installed, battery acts as back-up if power is lost.
Power Consumption	: 1 W.
Temperature Limits	: Ambient: 41 to 131°F (5 to 55°C); Process: 36 to 203°F (2 to 95°C).
Humidity Limit	: <93%.
Pressure Limits	: 232 psi (16 bar) for DN15 to DN40; 362 psi (25 bar) for >DN50.
Pressure Drop	: <1.5 psi (10 kPa).
Process Connection	: See chart on catalog page.
Serial Communications	: Modbus® RTU or BACnet® MSTP (selectable)**.
Enclosure Rating	: IP65.
Enclosure Material	: Plastic.
Repeatability	: Flowmeter: 1%.
Electrical Connections	: 3' (0.91 m) 4x0.2 mm ² cable with terminal block.
Flow Direction	: Unidirectional.
Mounting Orientation	: Horizontal or vertical.
Weight	: See chart on catalog page.
Agency Approvals	: CE.
**M-BUS available upon request.	