

FRONTIER WATER RESOURCES

FRONTIER PRECISION OFFERS COMPREHENSIVE WATER RESOURCES SERVICES



liquids as well ie. UTM20 flow

BENEFITS

By clamping onto the outside of pipes, the meters have inherent advantages over other flow meter technologies, including:

- ► Reduced installation time and cost
- ► Non-invasive, non-contact measurement
- ► Continued operation during installation no need to shut down the process
- ► No pressure head loss
- ▶ No moving parts to maintain or replace

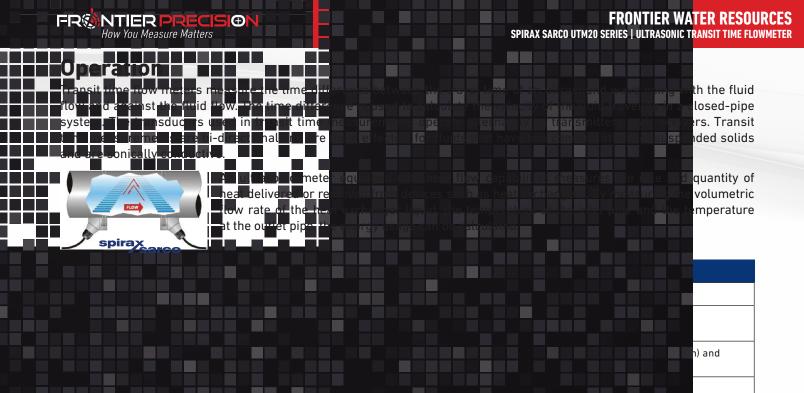
FEATURES

- ► Large, bi-directional flow measuring range
- ► Data log up to 8 parameters
- ► Modbus® RTU or BACnet® MS/TP over EIA-485; Modbus TCP/IP; BACnet/IP
- ► Configure and troubleshoot over USB with SoloCUE software
- ► Reynolds number, ultrasonic speed and temperature compensation
- ► Large, easy-to-read graphical display
- Rugged, aluminum enclosure for a long service life in harsh environments





The UTM20 meter is available in a variety of configurations that permit the user to select a meter with features suitable to meet particular application requirements.



General Safety (all models):

cCSAus, CE, Pollution Degree 2, CE compliance to Low Voltage Directive, 2014/35/EU

U.S./Canada Hazardous Location transmitter and transducers:

Transmitter and transducers (certification option B): cCSAus Class I Division 2 Groups ABCD T4 Volumetric Flow Meter Only (not available for Energy Meter)

Requires flexible conduit

Not available with UZ, HZ or JZ and KZ (Easy Rail) transducers, Auxiliary Dry Contact card

Certification and Compliance

Transmitter (certification option R): cCSAus Class I Division 2 Groups ABCD T4; cCSAus Ex ec ic nC IIC T4 Gc; Ex tc IIIB T100° C Dc; Class I, Zone 2, AEx ec ic nC IIC T4 Gc; Zone 22, AEx tc IIIB T100° C Dc; Class II, Division 2, Groups FG; Class III

Not available with Auxiliary Dry Contact card

Transducers LZ, NZ, RZ, WZ and YZ (certification option R): cCSAus Ex ec IIC T6 Gc; Ex tc IIIB T60° C Dc; Class I, Zone 2, AEx ec IIC T6 Gc; Zone 22, AEx tc IIIB T60° C Dc; Class II, Division 2, Groups FG; Class III Requires flexible conduit Not available with CA-CT, UZ, HZ or JZ and KZ (Easy Rail) transducers





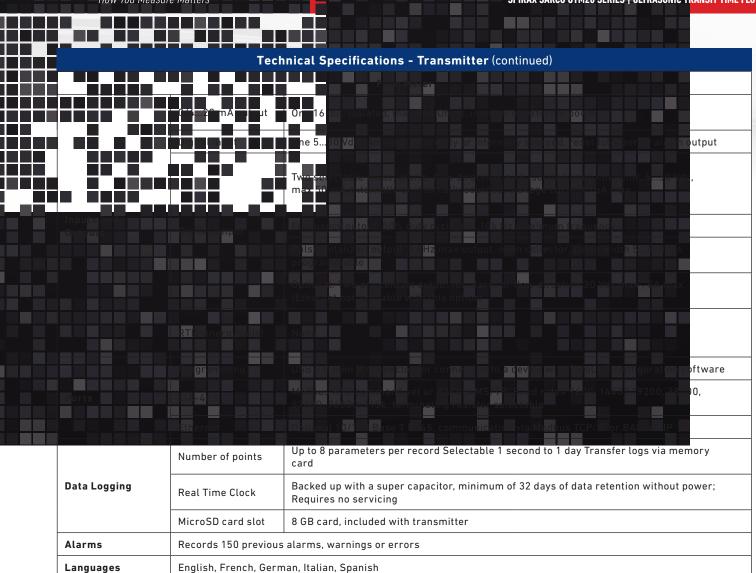








		Technical Specifications - Transmitter
Power Options	24 Vdc/AC	928 Vdc @ 8 W max or 2026 AC 4763 Hz @ 0 5 A max, 2 Amp slow-blow fuse, not field replaceable
	Mains AC	85264 Vac 4763 Hz @ 24VA max 1 Amp slow-blow fuse, manually field replaceable
		Over-Voltage Rating Category II (CAT II)
Display	Options	Display with keypad or no display/keypad
	Keypad	4-button navigation, keypad with tactile feedback; polyester film
	Display	128×64 pixel LED backlit graphical display; adjustable brightness and timeout; polycarbonate window
	Flow rate/total	8-digit
Enclosure	NEMA Type 4X, IP67	
Construction	Aluminum construction; painted; wall, panel or pipe mounting; stainless steel fasteners and mounting hardware; EPDM gasket	
	Conduit Holes	(4) 1/2 in NPT, M20 × 1 5 or 1/2 BSPP; cable glands available for NPT and M20
Environmental Ratings	Pollution Degree	2
	Altitude Restriction	Up to 2000 m (6561 ft)
	Ambient Temperature Range	-4140°F (-2060°C)
	Storage Temperature Range	-40176°F (-4080°C)
	Humidity	085%, non-condensing
Configuration	Via optional keypad or SoloCUE configuration software; SoloCUE available on DVD or download	
Units (Field- Selectable)	Velocity	feet/second, meters/second
	Volumetric total	US Gallons, Million Gallons, Imperial Gallons, Million Imperial Gallons, Acre-Feet, Liters, Hectoliters, Cubic Meters, Cubic Feet, Oil Barrels (42 gallons), Fluid Barrels (31 5 gallons), Imperial Fluid Barrels (36 imperial gallons), Pounds (Kilograms) and custom units
	Flow rate	Acre Feet/Day, Liters/Second, Liters/Minute, Liters/Hour, Cubic Meters/Second, Cubic Meters/Minute, Cubic Meters/Hour, Cubic Feet/Minute, Cubic Feet/Hour, Gallons/Second, Gallons/Minute, Gallons/Hour, Million Gallons/Day, Imperial Gallons/Second, Imperial Gallons/Minute, Imperial Gallons/Hour, Million Imperial Gallons/Day, Oil Barrels/Day, Fluid Barrels/Day, Imperial Fluid Barrels/Day and custom units
	Energy total (energy meters)	British Thermal Unit (Btu), Thousand Btu, Millions Btu, Kilocalories, Mega calories, Kilowatt-hour, Megawatt hour, Kilojoules, Mega joules, Ton-hour (Refrigeration)
	Heat/cooling rate (energy meters)	Btu/hour, Thousand Btu/hour, Millions Btu/hour, Ton (Refrigeration), Watts, Kilowatts, Megawatts, Kilojoules/hour, Mega joules/hour, Kilocalories/hour, Mega calories/hour
	Temperature (energy meters)	Farenheit, Celcius, Kelvin



Dimensions

Four levels: Read-only, Operator, Service and Admin; 6-digit passcode number; selectable auto logout

Remote System Enclosure

Security

Panel Mount Enclosure



Consult Factory for Part Number Selection