

Specification of Mass Flow Sensors & Transmitters

1. Mass Flow Sensor + Mass Flow Transmitter (Type-1) (Quantity – 2 nos.)

Mass Flow Sensor

Specification	Description
Fluid	Water
Flow rate (g/s)	30 to 1000
Working Pressure (Barg)	60
Working Temperature (K)	290-320
Accuracy	Better than 0.05% rdg
End Connections	0.5in CL600 ASME B16.5 F316/F316L WNRF
Pressure drop at max flow	<0.8 Barg
Wetted Material	SS316L
Sensor	Coriolis Type
Sensor Housing	304-series stainless steel with Rupture Disk
Electronics Housing	Polyurethane-painted aluminium
Conduit	1/2-inch NPT
Approvals	ATEX or equivalent

Mass Flow Transmitter

Specification	Description
Transmitter Power Supply	24VDC
Transmitter Outputs	1. 4-20mA HART – Flow 2. 4-20mA – Density 3. 4-20mA – Temperature
calibrations	Calibration with minimum 4 points for flow
Additional Feature	1. Transmitter should have data Logging facility & USB port for connecting Laptop. 2. Transmitter should Transmit Live/Raw Zero, Drive Gain over RS485 Modbus. 3. Transmitter should be capable of communicating with 475/Trex communicators.
Accessories	1. Mounting brackets, U clamps nuts & bolts to be supplied 2 Cable Glands DC type SS316 as per conduit shall be supplied 3. Software with necessary adapters for connecting laptop shall be supplied