

## **6. Mass Flow Sensor + Mass Flow Transmitter (Type-6) (Quantity – 1 no.)**

### **Mass Flow Sensor**

<b>Specification</b>	<b>Description</b>
Fluid	Liquid Nitrogen/GHe
Flow Range (g/s)	1 to 10
Working Pressure (Barg)	20
Working Temperature (K)	77 K
Accuracy	Better than 0.05% rdg
End Connections	0.5-inch CL300 ASME B16.5 F316/F316L WNRF
Pressure drop at max flow	<0.7 Barg
Wetted Material	SS316L
Sensor Series	Coriolis Deep U 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**

<b>Specification</b>	<b>Description</b>
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