



# AEROSPACE LAB

## AS9100 Rev D

### TECHNICAL SPECIFICATION

Document No.

CMTI/HEQTC/DSD/Tech.spec/14-23

Revision

00

Date

16/02/2023

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### Annexure 1

### DESCRIPTION OF ITEM: Flowmeters for Universal Hydraulic system

**Table 1 Flowmeter 0.5-100Lpm**

Sl no	Description	Specification
1.	Type	Helical- Screw-Type
2.	Flow range	0.5 - 100Lpm
3.	Maximum Pressure	450 bar
4.	Fluid temperature	-30°C - 120°C
5.	Material	GRAY CAST IRON
6.	Accuracy	± 0.5%
7.	REPEATABILITY ACCURACY	± 0.05 % with same operating conditions
8.	Supply Voltage	10-28 VDC
9.	Delay	≤ 8 μs
10.	Protection class	IP65
11.	Viscosity Range	1-1,000,000 cSt
12.	Frequency Range	1-100 kHz, adjustable
13.	Connection	G 1"
14.	Authorised dealer/OEM certificate	
15.	Make & Model No.	VSE, RS 100/10 GRO12V – GSM 02

**Table2 Flowmeter 1-400Lpm**

Sl no	Description	Specification
1.	Type	Helical- Screw-Type
2.	Flow range	1 - 400Lpm
3.	Maximum Pressure	450 bar
4.	Fluid temperature	-30°C - 120°C
5.	Material	GRAY CAST IRON
6.	Accuracy	± 0.5%
7.	REPEATABILITY ACCURACY	± 0.05 % with same operating conditions
8.	Supply Voltage	10-28 VDC
9.	Delay	≤ 8 μs
10.	Protection class	IP65
11.	Viscosity Range	1-1,000,000 cSt
12.	Frequency Range	1-100 kHz, adjustable
13.	Connection	G1 1/2"
14.	Authorised dealer/OEM certificate	
15.	Make	VSE, RS 400/25 GRO12V - GSM02

Prepared by

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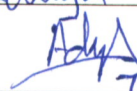
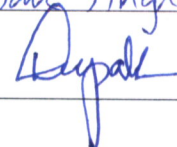
**Table 3 Process Indicator**

Sl no	Description	Specification
1.	Display type	6 Digit, 0.56" (14.2 mm) LED Display
2.	Alarm output	Four Setpoint Alarm Outputs
3.	Output	Analog Output Signal 4-20mA
4.	Input	11 to 36 VDC
5.	Protection	NEMA 4X/IP65
6.	Authorised dealer/OEM certificate	
7.	Make & Model No.	Redlion PAXI0030

✓ **Scope of Supply**

Supplier need to supply below mentioned items,

SI.No.	Particulars	Qty	Remarks
1.	Flowmeter as per Table 1	01	
2.	Flowmeter as per Table 2	02	
3.	Indicator as per Table 3	03	
4.	Certificate of Compliance (COC)	01	
5.	Calibration certificate	01 set	

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