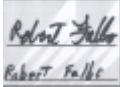
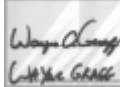



<b>Met One Instruments, Inc.</b> 1600 NW Washington Blvd, Grants Pass, OR TEL (541) 471-7111 Fax (541) 471-7116 metone@metone.com		
TITLE <b>9099 Field Temperature Calibrator</b>		
DWG NO <b>9099-6100</b>	REV <b>B</b>	
Originator Approval  <small>Robert Folke</small>	Checker Approval  <small>Wayne GANGE</small>	Document Control Administrator Approval  <small>Robert Folke</small>

REVISIONS			
REV	DESCRIPTION	DATE	BY
1	Prototype Procedure	1-13-11	JC
A	Initial Release		
B	Re-write of test procedure based on resistance measurements	10-25-11	RHF

### Description:

The 9099 field temperature calibrator is used to calibrate the SASS system.

- There is a six pin connector(J1) mounted on the box, which is used to simulate the ambient temperature sensor assembly. There is a 18 pin connector (J2) on the end of a cable which is plugged into a SASS pump box. This provides temperature sensor simulations to the pump box.
- There are two sets of switches, the nine position switch is used to select which sensor is being simulated. The three position switch is used to simulate one of three temperatures. (-30, 10, 50 °C)

### Equipment Required:

1. Digital Volt Meter: Accurate 0.001.

### Setup:

2. Place the DVM to measure ohms.

### Procedure:

3. Verify the ground signal connection from J1-pin B to J2-11, This should be less than 1 ohms.

4. For the following resistance measurements, place one lead of the DVM on J1-2. The other lead on the connection listed in the table below. Test all positions and all temperature settings:

Switch position	Measure Resistance at:	50°C Should be between	10°C Should be between	-30°C Should be between
1	J1-A	8.3655 to 8.5345 Kohms	25.89345 to 26.41655 Kohms	109.13364 to 111.33836 Kohms
2	J2-1	8.3655 to 8.5345 Kohms	Doesn't need to be measured	Doesn't need to be measured
3	J2-2	8.3655 to 8.5345 Kohms	Doesn't need to be measured	Doesn't need to be measured
4	J2-3	8.3655 to 8.5345 Kohms	Doesn't need to be measured	Doesn't need to be measured
5	J2-4	8.3655 to 8.5345 Kohms	Doesn't need to be measured	Doesn't need to be measured
6	J2-5	8.3655 to 8.5345 Kohms	Doesn't need to be measured	Doesn't need to be measured
7	J2-6	8.3655 to 8.5345 Kohms	Doesn't need to be measured	Doesn't need to be measured
8	J2-7	8.3655 to 8.5345 Kohms	Doesn't need to be measured	Doesn't need to be measured
9	J2-8	8.3655 to 8.5345 Kohms	Doesn't need to be measured	Doesn't need to be measured

5. Record J1-A, measurements data on a 9099-9600 Test Certificate.
6. End of test.
- 7. Tag any failures.**