	<b>COROMANDEL INTERNATIONAL LIMITED</b> <b>Sarigam</b>	Doc No. : INST/ SOP/ 20
<b>Issue No.01</b>	DEPARTMENTAL MANUAL OF INSTRUMENT	<b>Issue/ Revision</b> <b>Date: 02/10/2017</b>
<b>Revision: 00</b>	Title: SAFE OPERATING PROCEDURE FOR CONDUCTIVITY METER CAL & PM	<b>Page 1 of 2</b>

## 1.0 PURPOSE:

Calibration & preventive maintenance of Conductivity meter to maintain reliability.

## 2.0 SCOPE:

This procedure is applicable for calibration & preventive maintenance of Conductivity meter in process plant & ETP.

## 3.0 DEFINITION:

NIL

## 4.0 PROCEDURE:

- 4.1 Take work permit from the shift in charge to disconnect Conductivity Meter from the process line.
- 4.2 Remove the sensor and rinse with normal water.
- 4.3 Clean thoroughly with tissue paper.
- 4.4 Put the sensor in conductivity solution (Na<sub>2</sub>So<sub>4</sub>/NH<sub>4</sub>CL/ KCL or NACL) and record the reading shown against it's simulated value.
- 4.5 If the indication deviates from the simulated value then do proper cleaning and calibrate by function key.
- 4.6 After calibration install the sensor in process line and handover the equipment to the shift in charge of the plant.
- 4.7 Calibration record should be maintain in DOC No.: QF/EN/09
- 4.8 Preventive maintenance record should be maintain in format no.: INST/F/06
- 4.9 Close the permit.


## 5.0 FREQUENCY:

- 5.1 At the time of initial startup after shutdown of more than two weeks.
- 5.2 After every 6 months, if plant is running.

## 6.0 RESPONSIBILITIES:

- 1) Asst. Manager/Sr. Officer/ Area in-charge (Inst.) :

Prepared By :	Reviewed By :	Approved By :
Name :	Name :	Name :
Date :	Date :	Date :

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## 7.0 ACCOUNTABILITY

Section Head

## 8.0 RECORDS:

Calibration Reports should be maintained for one year.

## 9.0 ATTACHMENTS :

Sr. No.	Format	Format No.
1	Calibration Record	QF/EN/09
2	Preventive maintenance check point	INST/F/06

## 10.0 CHANGE RECORD :

Date	REV. NO.	CHANGES INCORPORATED
02/10/2017	00	Original Issue

**\*\* END OF PROCEDURE \*\***

Prepared By :	Reviewed By :	Approved By :
Name :	Name :	Name :
Date :	Date :	Date :