

DOCUMENT TITLE: **TCM TESTER PREVENTIVE MAINTENANCE PROCEDURE**

DOCUMENT TYPE: ☐ Calibration ☒ Preventive Maintenance

EQUIPMENT NAME: **TEMPERATURE CONTROL MODULE II FINAL TESTER**

EQUIPMENT NUMBER: **TE82818**

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DATE: **November 04, 2016**

REVISED BY: **N/A**

DATE: **N/A**



EQUIPMENT REQUIRED

Quantity	Part Number	Description
1	186002441 or 800000177	Temperature Control Module

REFERENCE DOCUMENTATION

Document Number	Description
730001799	Operating Procedure, Calibration and PM
730000295MP	Quality System Document Control
735003678	Generic PC Maintenance Procedure
735000888	TCM II Final Test Procedure

DEFINITIONS AND ABBREVIATIONS

Term	Definition/Abbreviation
PM	Preventive Maintenance: The servicing, for the purpose of maintaining equipment in satisfactory working order, by performing systematic inspection, detection, and correction of potential failures. PM activities may include tests, measurements, and parts replacement.
LED	Light Emitting Diode
TCM	Temperature Control Module
AC	Alternating Current
PC	Personal Computer
N/A	Not Applicable
TSP	Test Specification and Procedure

PROCEDURE

1. Computer Preventive Maintenance

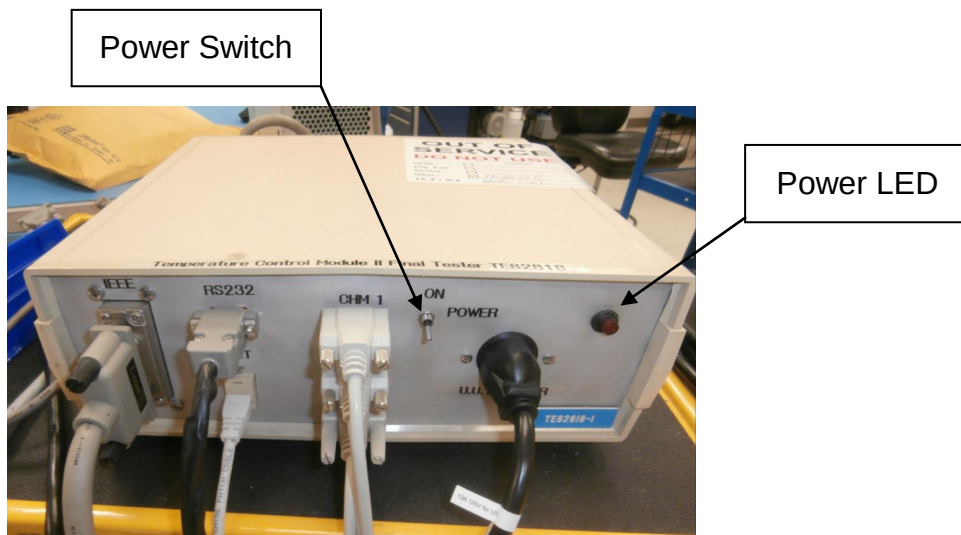
- 1.1. Ensure that tester is connected to test system computer.
- 1.2. Connect tester to an AC outlet.
- 1.3. Maintain the test system computer per document 735003678, Generic PC Maintenance Procedure.
- 1.4. Leave computer powered-on after maintenance.

2. Visual Inspection

- 2.1. Visually inspect tester enclosure for damage.
- 2.2. Visually inspect all cables, and connectors for damage.

3. Power-up successfully

- 3.1. Turn tester power on and verify that power LED lights.



4. Functional Test

- 4.1. Connect a known-good TCM II to TE82818.
- 4.2. Using TSP 735000888, perform *Test Setup* per section 1.
- 4.3. Using TSP 735000888, perform *Test* per section 5.
- 4.4. The tester must report a passing result for this UUT.

WATERS CORPORATION TE82818 PREVENTIVE MAINTENANCE RECORD

Date:	Performed By:	Procedure:	Revision:
Equipment I.D.	Location:		
Due Date:	Interval (Months):	Next Due Date:	

Test Equipment Used	Serial Number/Identification Number	Calibration/PM Date

MAINTENANCE	RESULT	NOTES
Step 1, Computer Preventive Maintenance	PERFORMED ☐	
Step 2.1, Visual Inspection, Enclosure	PERFORMED ☐	
Step 2.2, Visual Inspection, cables and connectors	PERFORMED ☐	
Step 3.4, Power-up Successfully	PASS ☐ FAIL ☐	
Step 4, Functional Test	PASS ☐ FAIL ☐	

NOTES
Place Expired Label Here