



ELECTRONIC & MECHANICAL, INC.
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OVEN/ FURNACE SURVEY

CUSTOMER:

SCOPE OF WORK: UNIFORMITY SURVEY OF DOW FURNACE #AG9800204

OVEN / FURNACE MFG.	DOW	CONTROL MFG.	ADVANTECH	
OVEN / FURNACE MODEL#	N/A	CONTROL MODEL#	TPC-68SN	
OVEN / FURNACE SERIAL#	AG9800204	CONTROL SERIAL#	AG4580	
INT. DIMENSION	2' X 3' X 1.5'	CONTROL RANGE	0-2400°F	
TEST INSTRUMENT MFG.	YOKOGAWA	THERMOCOUPLE TYPE	K20-2-HR-R	
TEST INSTRUMENT MODEL#	MV2048	CERTIFICATE#	GK21109-4-2b	TYPE "K" T/C REPLACED
TEST INSTRUMENT SERIAL#	S5J904535	CORRECTION FACTOR@1500°F	-0.5	CERT #58208
DATE OF LAST CERTIFICATION	10/31/12	TEST DATE	11/20/2012	TYPE "N" T/C REPLACED
TEST INSTRUMENT RANGE	0°F TO 1800°F			CERT #58207
YOKOGAWA CORRECTION FACTOR	±0			

SURVEYS PERFORMED AT TEMPERATURE OF: 1500°F

	CORRECTION FACTOR NOT SHOWN										CORRECTION FACTOR SHOWN			
	T/C 1	T/C 2	T/C 3	T/C 4	T/C 5	T/C 6	T/C 7	T/C 8	T/C 9	T/C 10	Int.	Int.	Int.	
	Chan. 1	Chan. 2	Chan. 3	Chan. 4	Chan. 5	Chan. 6	Chan. 7	Chan. 8	Chan. 9	Chan. 10	Min.	Max.	Aver.	
	10:54 AM	1490.2°	1491.9°	1499.1°	1498.9°	1500.5°	1502.8°	1506.6°	1510.4°	1513.3°	1514.3°	1489.7°	1513.8°	1502.3°
	10:56 AM	1490.2°	1491.8°	1498.8°	1498.8°	1500.2°	1502.8°	1506.4°	1510.0°	1512.9°	1513.8°	1489.7°	1513.3°	1502.1°
	10:58 AM	1490.2°	1491.9°	1498.9°	1498.8°	1500.6°	1503.3°	1507.0°	1510.9°	1513.5°	1514.1°	1489.7°	1513.6°	1502.4°
	11:00 AM	1489.9°	1491.6°	1498.6°	1498.5°	1500.4°	1502.8°	1506.6°	1510.6°	1512.9°	1513.8°	1489.4°	1513.3°	1502.1°
	11:02 AM	1490.0°	1491.6°	1498.6°	1498.6°	1500.4°	1503.1°	1506.9°	1510.6°	1513.2°	1514.1°	1489.5°	1513.6°	1502.2°
	11:04 AM	1490.3°	1491.9°	1498.9°	1498.8°	1500.7°	1503.1°	1507.1°	1510.9°	1513.5°	1514.4°	1489.8°	1513.9°	1502.5°
	11:06 AM	1489.9°	1491.2°	1498.4°	1498.4°	1499.9°	1502.5°	1506.1°	1509.9°	1512.5°	1513.6°	1489.4°	1513.1°	1501.7°
	11:08 AM	1490.7°	1492.3°	1499.4°	1499.2°	1501.3°	1504.1°	1507.7°	1511.6°	1514.3°	1515.0°	1490.2°	1514.5°	1503.1°
	11:10 AM	1489.7°	1491.2°	1498.3°	1498.1°	1499.6°	1501.7°	1505.2°	1509.0°	1512.0°	1512.9°	1489.2°	1512.4°	1501.3°
	11:12 AM	1487.6°	1489.1°	1495.9°	1496.0°	1497.0°	1499.1°	1502.6°	1506.2°	1508.8°	1510.0°	1487.1°	1509.5°	1498.7°
	11:14 AM	1487.5°	1489.1°	1495.7°	1495.7°	1497.0°	1499.3°	1502.8°	1506.6°	1509.1°	1510.0°	1487.0°	1509.5°	1498.8°
	11:16 AM	1486.8°	1488.2°	1494.9°	1494.9°	1496.0°	1498.5°	1502.0°	1505.7°	1508.2°	1509.3°	1486.3°	1508.8°	1498.0°
	11:18 AM	1486.8°	1488.2°	1494.9°	1494.8°	1496.3°	1498.8°	1502.3°	1506.1°	1508.6°	1509.3°	1486.3°	1508.8°	1498.1°
	11:20 AM	1486.0°	1487.5°	1494.0°	1494.1°	1495.4°	1497.7°	1501.2°	1505.0°	1507.4°	1508.3°	1485.5°	1507.8°	1497.2°
	11:22 AM	1487.2°	1486.8°	1493.3°	1493.4°	1494.8°	1497.0°	1500.6°	1504.4°	1506.7°	1507.7°	1486.3°	1507.2°	1496.7°
	11:24 AM	1488.8°	1488.3°	1494.8°	1494.8°	1496.5°	1499.3°	1502.8°	1506.6°	1509.1°	1509.6°	1487.8°	1509.1°	1498.6°
	11:26 AM	1488.1°	1487.5°	1494.1°	1494.1°	1495.5°	1498.0°	1501.5°	1505.2°	1507.8°	1508.8°	1487.0°	1508.3°	1497.6°
	11:28 AM	1487.5°	1487.3°	1493.4°	1493.9°	1494.9°	1497.5°	1500.9°	1504.7°	1507.0°	1508.0°	1486.8°	1507.5°	1497.0°
	11:30 AM	1488.3°	1487.5°	1494.4°	1494.4°	1496.2°	1498.9°	1502.3°	1506.2°	1508.6°	1509.6°	1487.0°	1509.1°	1498.1°

	START TEST TIME	10:54AM	END TEST TIME	11:30AM							
LOCAL	Minimum	1485.5°	1486.3°	1492.8°	1492.9°	1494.3°	1496.5°	1500.1°	1503.9°	1506.2°	1507.2°
LOCAL	Maximum	1490.2°	1491.8°	1498.9°	1498.7°	1500.8°	1503.6°	1507.2°	1511.1°	1513.8°	1514.5°
LOCAL	Average	1488.2°	1489.2°	1496.0°	1496.0°	1497.6°	1500.0°	1503.6°	1507.4°	1510.0°	1510.9°

NO OFFSET DETECTED ON CONTROLLER
NO OFFSET LEFT ON CONTROLLER

CORRECTION FACTOR SHOWN

OVERALL	Minimum	1485.5°
OVERALL	Maximum	1514.5°
OVERALL	Average	1499.9°

TECHNICIAN SIGNATURE	DATE
DATE COMPLETED 1/7/2013	NEXT SURVEY DUE 4/7/2013

UNIFORMITY SURVEY OF DOW FURNACE #AG9800204 @ 1500°F

