

# Manual Supplement

Manual Title:	374/375/376 Calibration Supplement	Issue:	5
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

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This supplement contains information necessary to ensure the accuracy of the above manual.

## Change #1

On pages 9 and 10 replace Tables 2, and 3 with:

**Table 2. Performance Tests**

Test (Switch Position)	Calibrator Output	374	375	376	Meter Reading Limit	
					Low	High
 AC Volts	10 V, 50 Hz	X	X	X	9.4 V	10.7 V
	500 V, 50 Hz	X	X	X	492.0 V	508.0 V
	900 V, 50 Hz	-	-	X	882.0 V	919.0 V
	500 V, 500 Hz	X	X	X	492.0 V	508.0 V
 DC Volts	-500 V	X	X	X	-505.5 V	-494.5 V
	10 V	X	X	X	9.4 V	10.6 V
	500 V	X	X	X	494.5 V	505.5 V
	900 V	-	-	X	886.0 V	914.0 V
	-250 mV	-	X	X	-253.0 mV	-247.0 mV
	50 mV	-	X	X	49.0 mV	51.0 mV
	250 mV	-	X	X	247.0 mV	253.0 mV
	450 mV	-	X	X	445.0 mV	455.0 mV
 Ohms	60 $\Omega$	X	X	X	58.9 $\Omega$	61.1 $\Omega$
	300 $\Omega$	X	X	X	296.5 $\Omega$	303.5 $\Omega$
	540 $\Omega$	X	X	X	534.1 $\Omega$	545.9 $\Omega$
	3000 $\Omega$	X	X	X	2965 $\Omega$	3035 $\Omega$
	5400 $\Omega$	X	X	X	5341 $\Omega$	5459 $\Omega$
	30K $\Omega$	-	X	X	29.65 K $\Omega$	30.35 K $\Omega$
	54K $\Omega$	-	X	X	53.41 K $\Omega$	54.59 K $\Omega$
 Capacitance	10 $\mu\text{F}$	X	X	X	9.5 $\mu\text{F}$	10.5 $\mu\text{F}$
	500 $\mu\text{F}$	X	X	X	491 $\mu\text{F}$	509 $\mu\text{F}$
	900 $\mu\text{F}$	X	X	X	887 $\mu\text{F}$	913 $\mu\text{F}$

Test (Switch Position)	Calibrator Output	374	375	376	Meter Reading Limit	
					Low	High
 AC Amps (with 50-turn Coil)	0.2 A, 50 Hz	X	X	X	9.3 A	10.7 A
	10 A, 50 Hz	X	X	X	489.5 A	510.5 A
	18 A, 50 Hz	-	-	X	881.5 A	918.5 A
	6 A, 440 Hz	X	X	X	292.0 A	308.0 A
 DC Amps (with 50-turn Coil)	0.2 A	X	X	X	9.3 A	10.7 A
	10 A	X	X	X	489.5 A	510.5 A
	18 A	-	-	X	881.5 A	918.5 A
 iFlex Current Probe (with Simulation)	3 mV, 50 Hz	X	X	X	96.5 A	103.5 A
	30 mV, 50 Hz	X	X	X	965 A	1035 A
	60 mV, 50 Hz	X	X	X	1935 A	2065 A
	75 mV, 50 Hz	X	X	X	2420 A	2580 A
	750 mV, 500 Hz	X	X	X	2420 A	2580 A
 iFlex Current Probe (with 50-turn Coil)	0.2 A, 50 Hz	X	X	X	9.2 A	10.8 A
	10 A, 50 Hz	X	X	X	484.5 A	515.5 A
	18 A, 50 Hz	X	X	X	872.5 A	927.0 A
	6 A, 440 Hz	X	X	X	290.5 A	309.5 A

### Required Equipment

The equipment listed in Table 3 is required for performance tests and calibration adjustment.

**Table 3. Required Equipment**

Equipment	Required Characteristics	Recommended Model
Calibrator	4.5-digit resolution	Fluke 552xA Calibrator
Wired coil	50 turns	5500A/COIL
Test Probe for iFlex	2 mm to 4 mm Slim reach probe	TP2, PN650892
Test Lead	Test Lead w/retractable sheath	6358, PN1903307
Power Supply	+3.0 V	Common power supply or a 2 x AA or AAA battery container




## Change #2

On page 9, add the following after the first sentence:

For the iFlex simulated tests you need the leads and probes listed in the required equipment list. They are used to connect the calibrator output to the iFlex input. Calibrator Output HI goes to the iFlex 2 mm jack (on the far left) and the Calibrator Output LO goes to the black COM jack.

## Change #3, 63774, 318

On pages 4, update the **Symbols** table with the following and remove **TUV**:

	Conforms to relevant South Korean EMC Standards.
	Consult user documentation.
	Conforms to relevant Australian Safety and EMC standards.
<b>CAT II</b>	Measurement Category II is applicable to test and measuring circuits connected directly to utilization points (socket outlets and similar points) of the low-voltage MAINS installation.
<b>CAT III</b>	Measurement Category III is applicable to test and measuring circuits connected to the distribution part of the building's low-voltage MAINS installation.
<b>CAT IV</b>	Measurement Category IV is applicable to test and measuring circuits connected at the source of the building's low-voltage MAINS installation.

On page 8, replace the EMC with:

### Electromagnetic Compatibility (EMC)

International ..... IEC 61326-1: Basic Electromagnetic Environment

CISPR 11: Group 1, Class A

*Group 1: Equipment has intentionally generated and/or uses conductively-coupled radio frequency energy that is necessary for the internal function of the equipment itself.*

*Class A: Equipment is suitable for use in all establishments other than domestic and those directly connected to a low-voltage power supply network that supplies buildings used for domestic purposes. There may be potential difficulties in ensuring electromagnetic compatibility in other environments due to conducted and radiated disturbances.*

*Caution: This equipment is not intended for use in residential environments and may not provide adequate protection to radio reception in such environments.*

*Emissions that exceed the levels required by CISPR 11 can occur when the equipment is connected to a test object.*

Korea (KCC) ..... Class A Equipment (Industrial Broadcasting & Communication Equipment)

*Class A: Equipment meets requirements for industrial electromagnetic wave equipment and the seller or user should take notice of it. This equipment is intended for use in business environments and not to be used in homes.*

USA (FCC) ..... 47 CFR 15 subpart B. This product is considered an exempt device per clause 15.103.

On page 8, replace the Safety Compliance section with:

Safety ..... IEC 61010-1, Pollution degree 2  
 IEC 61010-2-032: CAT III 1000V / CAT IV 600V  
 IEC 61010-2-033: CAT III 1000V / CAT IV 600V

Remove the Agency Approvals.