

Form 1 LKAT² Diagnostic Measurements Form – Zero Primary Current

Instructions:

- 1.) Ensure that the Metering Unit is energized and both head halves are mated and connected to the Metering Unit.
- 2.) Ensure that head is off bus, or that bus is de-energized.
- 3.) Measure and record the information below (make additional copies of this form as needed).
- 4.) Record Serial Numbers

TEST CONDITIONS:

ZERO PRIMARY CURRENT (Head may or may not be installed on bus);
LKAT² SYSTEM must be ENERGIZED for AT LEAST ONE HOUR.

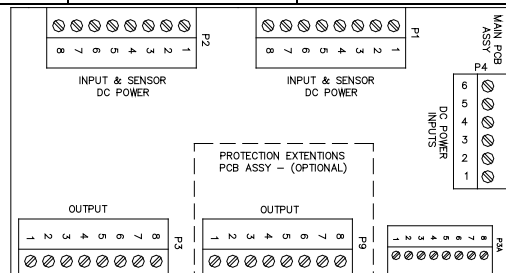
MEASURE	(+) DMM at	(-) DMM at	ACCEPTABLE RANGE	DATE ___/___/___	DATE ___/___/___	DATE ___/___/___
+V _{Hall} Supply-A	P4-1	P4-3	+12V (±0.5V)			
+V _{Hall} Supply-A	P4-2	P4-3	+12V (±0.5V)			
+15V supply	P4-4	P4-5	+15V (±0.5V)			
-15V supply	P4-6	P4-5	-15V (±0.5V)			
Input A1	P1-1	P1-2	0V (±5mV)			
Input A2	P1-3	P1-2	0V (±5mV)			
Input B1	P2-1	P2-2	0V (±5mV)			
Input B2	P2-3	P2-2	0V (±5mV)			
Output Current Loop Burden at Full-Scale	P3-1	P3-2	10.2V max			

Serial Numbers :

Metering Unit _____

Measuring Head -

A Half _____ B Half _____



Form 2 LKAT² Diagnostic Measurements Form – Energized Primary Bus

Instructions:

- 1.) Assure that the Metering Unit is energized and both head halves are mated and connected to the Metering Unit.
- 2.) Assure that head is on bus and that bus is energized.
- 3.) Measure and record the information below (make additional copies of this form as needed).
- 4.) Record Serial Numbers and Current Loop Burden Resistance (Ohms)

TEST CONDITIONS:

ENERGIZED PRIMARY BUS ;

LKAT² SYSTEM must be ENERGIZED for AT LEAST ONE HOUR.

MEASURE	(+) DMM at	(-) DMM at	ACCEPTABLE RANGE	DATE ___/___/___	DATE ___/___/___	DATE ___/___/___
+V _{Hall} Supply-A	P4-1	P4-3	+12V (±0.5V)			
+V _{Hall} Supply-A	P4-2	P4-3	+12V (±0.5V)			
+15V supply	P4-4	P4-5	+15V (±0.5V)			
-15V supply	P4-6	P4-5	-15V (±0.5V)			
Input A1	P1-1	P1-2	Within ±25mV of Input A2			
Input A2	P1-3	P1-2	Within ±25mV of Input A1			
Input B1	P2-1	P2-2	Within ±25mV of Input B2			
Input B2	P2-3	P2-2	Within ±25mV of Input B1			
Output Current Loop Burden at Full-Scale	P3-1	P3-2	10.2V max			

Nominal Current Loop Burden Resistance (Ohms) _____

Serial Numbers :
 Metering Unit _____
 Measuring Head - _____
 A Half _____ B Half _____

