FORM 1
LKAT PLUS DIAGNOSTIC MEASUREMENTS FORM 1 – ZERO PRIMARY CURRENT

Instructions:
1.) Ensure that the metering unit is energized and both head halves are connected.
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);

LKAT Plus SYSTEM must be ENERGIZED for AT LEAST ONE HOUR.

MEASURE	(+) DMM at	(-) DMM at	ACCEPTABLE RANGE	DATE ___/___/__	DATE ___/___/___	DATE ___/___/__
+5V supply	P4-1	P4-2	+5V (±0.5V)			
+15V supply	P4-3	P4-4	+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 :
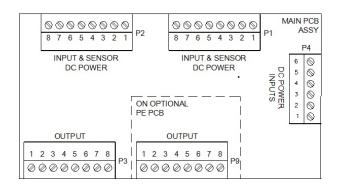
Metering Unit   _____

Measuring Head

    A Half :   _____

    B Half :   _____

FORM 2
LKAT PLUS DIAGNOSTIC MEASUREMENTS FORM 2 – ENERGIZED PRIMARY BUS

Instructions:
1.) Ensure that the metering unit is energized and both head halves are connected.
2.) Ensure 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 ;
LKAT Plus SYSTEM must be ENERGIZED for AT LEAST ONE HOUR.

MEASURE	(+) DMM at	(-) DMM at	ACCEPTABLE RANGE	DATE ___/___/___	DATE ___/___/___	DATE ___/___/___
+5V supply	P4-1	P4-2	+5V (±0.5V)			
+15V supply	P4-3	P4-4	+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			

Serial Numbers :

  Metering Unit   _____

  Measuring Head

      A Half :   _____

      B Half :   _____

Current Loop Burden Resistance

                  (Ohms)_____