



MODEL #:

STOCK ORDER #:

SERIAL #:

RECORD #:

INPUT SPECIFICATIONS

Voltage 230 V
Current 20 A
Frequency 50 Hz

OUTPUT SPECIFICATIONS

Max Voltage DC Range 1 50.0 kV
Max Voltage AC Range 1 70.0 kV
Max Current DC Range 1 200.0 μA
 Range 2 2.0 mA
 Range 3 10.0 mA
 Range 4 10.0 mA
Max Current AC Range 1 200.0 μA
 Range 2 2.00 mA
 Range 3 20 mA
 Range 4 37.5 mA

METER ACCURACY

Output Voltmeter 0.20% of Range
 0.80% of Reading
Output Currentmeter 0.20% of Range
 0.80% of Reading

COMMENTS OR SPECIAL REQUESTS

DC OUTPUT CURRENTMETER RANGE 1 CALIBRATION

Range	200.00 μ A	LSD	0.1
Accuracy	0.20% of Range	0.80% of Reading	

% of Range	Target μ A	Frequency DC	Standard μ A	HMI Meter μ A	Allowed Deviation	Deviation
10.0%	20.00	-			0.50	0.00
30.0%	60.00	-			0.50	0.00
50.0%	100.00	-			0.50	0.00
70.0%	140.00	-			0.50	0.00
90.0%	180.00	-			0.50	0.00
100.0%	200.00	-			0.50	0.00

FOUND DC OUTPUT CURRENTMETER RANGE 2 CALIBRATION

Range	2.0 mA	LSD	0.001
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% of Range	Target mA	Frequency DC	Standard mA	HMI Meter mA	Allowed Deviation	Deviation
10.0%	0.200	-			0.005	0.000
30.0%	0.600	-			0.005	0.000
50.0%	1.000	-			0.005	0.000
70.0%	1.400	-			0.005	0.000
90.0%	1.800	-			0.005	0.000
100.0%	2.000	-			0.005	0.000

DC OUTPUT CURRENTMETER RANGE 3 CALIBRATION

Range	10.0 mA	LSD	0.01
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% of Range	Target mA	Frequency DC	Standard mA	HMI Meter mA	Allowed Deviation	Deviation
10.0%	1.0	-			0.03	0.00
30.0%	3.0	-			0.03	0.00
50.0%	5.0	-			0.03	0.00
70.0%	7.0	-			0.03	0.00
90.0%	9.0	-			0.03	0.00
100.0%	10.0	-			0.03	0.00

DC OUTPUT CURRENTMETER RANGE 4 CALIBRATION

Range	10.0 mA	LSD	0.1
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% of Range	Target mA	Frequency DC	Standard mA	HMI Meter mA	Allowed Deviation	Deviation
10.0%	1.0	-			0.12	0.00
30.0%	3.0	-			0.12	0.00
50.0%	5.0	-			0.12	0.00
70.0%	7.0	-			0.12	0.00
90.0%	9.0	-			0.12	0.00
100.0%	10.0	-			0.12	0.00

AC OUTPUT CURRENTMETER RANGE 1 CALIBRATION

Range	200.0 μ A	LSD	0.1
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% of Range	Target μ A	Frequency Hz	Standard μ A	HMI Meter μ A	Allowed Deviation	Deviation
10.0%	20.00	50			0.500	0.000
30.0%	60.00	50			0.500	0.000
50.0%	100.00	50			0.500	0.000
70.0%	140.00	50			0.500	0.000
90.0%	180.00	50			0.500	0.000
100.0%	200.00	50			0.500	0.000

AC OUTPUT CURRENTMETER RANGE 2 CALIBRATION

Range	2.0 mA	LSD	0.001
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% of Range	Target mA	Frequency Hz	Standard mA	HMI Meter mA	Allowed Deviation	Deviation
10.0%	0.2	50			0.005	0.000
30.0%	0.6	50			0.005	0.000
50.0%	1.0	50			0.005	0.000
70.0%	1.4	50			0.005	0.000
90.0%	1.8	50			0.005	0.000
100.0%	2.0	50			0.005	0.000

AC OUTPUT CURRENTMETER RANGE 3 CALIBRATION

Range	20.0 mA	LSD	0.01
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% of Range	Target mA	Frequency Hz	Standard mA	HMI Meter mA	Allowed Deviation	Deviation
10.0%	2.0	50			0.05	0.00
30.0%	6.0	50			0.05	0.00
50.0%	10.0	50			0.05	0.00
70.0%	14.0	50			0.05	0.00
90.0%	18.0	50			0.05	0.00
100.0%	20.0	50			0.05	0.00

AC OUTPUT CURRENTMETER RANGE 4 CALIBRATION

Range	37.5 mA	LSD	0.1
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% of Range	Target mA	Frequency Hz	Standard mA	HMI Meter mA	Allowed Deviation	Deviation
10.0%	3.8	50			0.18	0.00
30.0%	11.3	50			0.18	0.00
50.0%	18.8	50			0.18	0.00
70.0%	26.3	50			0.18	0.00
90.0%	33.8	50			0.18	0.00
100.0%	37.5	50			0.18	0.00

DC OUTPUT VOLTMETER LOW CALIBRATION

Range	50.00 kV	LSD	
Accuracy	0.20% of Range	0.80% of Reading	

% of Range	Target kV	Frequency DC	Standard kV	HMI Meter kV	Allowed Deviation	Deviation
10.0%	5.00	-			0.10	0.00
30.0%	15.00	-			0.10	0.00
50.0%	25.00	-			0.10	0.00
70.0%	35.00	-			0.10	0.00
90.0%	45.00	-			0.10	0.00
100.0%	50.00	-			0.10	0.00

AC OUTPUT VOLTMETER LOW CALIBRATION

Range	70.00 kV	LSD	
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% of Range	Target kV	Frequency Hz	Standard kV	HMI Meter kV	Allowed Deviation	Deviation
10.0%	7.00	50			0.14	0.00
30.0%	21.00	50			0.14	0.00
50.0%	35.00	50			0.14	0.00
70.0%	49.00	50			0.14	0.00
90.0%	63.00	50			0.14	0.00
100.0%	70.00	50			0.14	0.00

OVERLOAD CALIBRATION

Overload Trip Level	DC		μA Min		mA Max
	AC		μA Min		mA Max

HIGH VOLTAGE TRANSFORMER FLASHOVER TESTS

Number Of Flashovers Test Voltage 70.00 kVAC
 Test Voltage 50.00 kVDC
 Passed

HIGH VOLTAGE TRANSFORMER DIELECTRIC WITHSTAND

110% Rated Voltage 50.0 kV Duration 2 Minutes Passed

INPUT VOLTAGE AND CURRENT NO LOAD

Input Voltage: (V) <input type="text"/>	Input Current (A) <input type="text"/>	Output (kVDC) <input type="text"/>
Input Voltage: (V) <input type="text"/>	Input Current (A) <input type="text"/>	Output (kVAC) <input type="text"/>

INPUT VOLTAGE AND CURRENT LOAD

Input Voltage: (V) <input type="text"/>	Input Current (A) <input type="text"/>	Output (mADC) <input type="text"/>
Input Voltage: (V) <input type="text"/>	Input Current (A) <input type="text"/>	Output (mAAC) <input type="text"/>

CHECKLIST

Yes	Power cord to ground < 2Ω
Yes	Control power lamp, switch
Yes	HV on / off lamp
Yes	Over current lamp
Yes	Timer Operation

Yes	Zero start operation
Yes	Fuses disable associated circuit
Yes	Silicone connectors
Yes	Test leads, continuity / attachment
Yes	External Interlock

ENVIRONMENTAL DATA

Temperature °C
 Humidity %
 Air Pressure mbar

Standards	
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APPROVAL

Date of Calibration	
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 Test Technician

 Calibration Manager