

0.1 ~ 400A 系列电流传感器
型号规格及技术参数

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额定电流(A)	产品型号	测量范围	工作原理	电源电压 (V)	额定测量输出	基本误差		线性度误差	零点输出误差(+25℃)	响应时间	耐压	工作温度	外形图	备注
Primary Nominal Current	product Model No.	Measuring Range	Working Principle	Supply Voltage	Secondary Nominal output	Accuracy		Linearity	Offset of zero	Response Time	Isolation Voltage	Operating Temperature	Drawing	
0.1A	NACG.0.1-S1V	0 ~ ±0.12A	霍尔门 Flugete	±15 × (1 ± 5%)V	5V	≤ ±1%		≤0.5%	≤ ±50mV	—	5kV/50Hz/1min	-25℃~+70℃		page13 Fig.(1)
0.4A	NACL0.4M-P6/SP1	0 ~ ±0.85A	磁平衡式 Magnetic Balance	±15 × (1 ± 5%)V	30mA	≤ ±0.6%		≤0.2%	≤ ±0.15mA	≤1us	4.2kV/50Hz/1min	-40℃~+85℃		page13 Fig.(2)
1.5A	NACL1.5M-P6/SP1	0 ~ ±2.2A	磁平衡式 Magnetic Balance	±15 × (1 ± 5%)V	24mA	≤ ±0.6%		≤0.2%	≤ ±0.15mA	≤1us	4.2kV/50Hz/1min	-40℃~+85℃		page13 Fig.(2)
2A	NACL2M-P6/SP1	0 ~ ±2.5A	磁平衡式 Magnetic Balance	±15 × (1 ± 5%)V	40mA	≤ ±0.6%		≤0.2%	≤ ±0.15mA	≤1us	4.2kV/50Hz/1min	-40℃~+85℃		page13 Fig.(2)
2A	NACG.2-S1V	0 ~ ±2.4A	霍尔门 Flugete	±15 × (1 ± 5%)V	5V	≤ ±1%		≤0.5%	≤ ±50mV	—	5kV/50Hz/1min	-25℃~+70℃		page13 Fig.(1)
10A	NACG.10-S1V	0 ~ ±10.5A	霍尔门 Flugete	±15 × (1 ± 5%)V	10V	≤ ±1%		≤0.5%	≤ ±50mV	—	5kV/50Hz/1min	-25℃~+70℃		page13 Fig.(1)
25A	NCA1A-25A	0 ~ ±30A	直接放大 Straight Amplification	±15 × (1 ± 5%)V	10V	≤ ±0.5%		≤1%	≤ ±100mV	≤100us	2.5kV/50Hz/1min	-40℃~+85℃		page13 Fig.(3)
50A	NT50-S	0 ~ ±70A	磁平衡式 Magnetic Balance	±(12-15) × (1 ± 5%)V	50mA	≤ ±0.8%		≤0.1%	≤ ±0.2mA	≤1us	6kV/50Hz/1min	-45℃~+85℃		page14 Fig.(4)
100A	NT100-S	0 ~ ±150A	磁平衡式 Magnetic Balance	±(12-15) × (1 ± 5%)V	50mA	≤ ±0.6%		≤0.1%	≤ ±0.2mA	≤1us	6kV/50Hz/1min	-45℃~+85℃		page14 Fig.(4)
200A	NT200-S	0 ~ ±300A	磁平衡式 Magnetic Balance	±(12-15) × (1 ± 5%)V	100mA	≤ ±0.5%		≤0.1%	≤ ±0.2mA	≤1us	6kV/50Hz/1min	-45℃~+85℃		page14 Fig.(4)
300A	NT300-S	0 ~ ±500A	磁平衡式 Magnetic Balance	±(12-15) × (1 ± 5%)V	150mA	≤ ±0.5%		≤0.1%	≤ ±0.2mA	≤1us	6kV/50Hz/1min	-45℃~+85℃		page14 Fig.(4)
300A	NACF.300-S1/SP1V	0 ~ ±900A	直接放大 Straight Amplification	±15 × (1 ± 5%)V	4V	≤ ±1%		≤1%	≤ ±30mV	≤100us	2.5kV/50Hz/1min	-40℃~+85℃		page13 Fig.(3)
300A	NACL300C-S5	0 ~ ±700A	磁平衡式 Magnetic Balance	±15 × (1 ± 5%)V	150mA	≤ ±0.9%		≤0.1%	≤ ±0.3mA	≤1us	5.5kV/50Hz/1min	-40℃~+85℃		page14 Fig.(5)
400A	NACL400C-S5	0 ~ ±650A	磁平衡式 Magnetic Balance	±15 × (1 ± 5%)V	100mA	≤ ±0.9%		≤0.1%	≤ ±0.3mA	≤1us	5.5kV/50Hz/1min	-40℃~+85℃		page14 Fig.(5)
400A	NACL400C-S4	0 ~ ±1000A	磁平衡式 Magnetic Balance	±15 × (1 ± 5%)V	133mA	≤ ±0.5%		≤0.1%	≤ ±0.5mA	≤1us	6kV/50Hz/1min	-40℃~+85℃		page17 Fig.(14)

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Primary Nominal Current	product Model No.	Measuring Range	Working Principle	Supply Voltage	Secondary Nominal output	Accuracy		Linearity	Offset of zero	Response Time	Isolation Voltage	Operating Temperature	Drawing	
400A	NACL400C-S5/SP3	0 ~ ±600A	磁平衡式 Magnetic Balance	±15 × (1 ± 5%)V	80mA	≤ ±0.9%		≤0.1%	≤ ±0.3mA	≤1us	5.5kV/50Hz/1min	-40℃~+85℃		page14 Fig.(5)
400A	NACF.400-S1/SP1V	0 ~ ±1200A	直接放大 Straight Amplification	±15 × (1 ± 5%)V	4V	≤ ±1%		≤1%	≤ ±30mV	≤100us	2.5kV/50Hz/1min	-40℃~+85℃		page13 Fig.(3)
500A	NCA1N-500A	0 ~ ±550A	直接放大 Straight Amplification	±15 × (1 ± 5%)V	10V	≤ ±1%		≤1%	≤ ±30mV	≤25us	3.5kV/50Hz/1min	-40℃~+85℃		page14 Fig.(6)
500A	NT500C-S	0 ~ ±1500A	磁平衡式 Magnetic Balance	±(15-24) × (1 ± 5%)V	100mA	≤ ±0.7%		≤0.1%	≤ ±0.5mA	≤1us	13.6kV/50Hz/1min	-40℃~+85℃		page15 Fig.(7)
500A	NACL500H-T1/SP4	0 ~ ±800A	磁平衡式 Magnetic Balance	±(15-24) × (1 ± 10%)V	125mA	≤ ±0.5%		≤0.1%	≤ ±0.5mA	≤1us	6kV/50Hz/1min	-40℃~+85℃		page15 Fig.(8)
500A	NT500-S	0 ~ ±800A	磁平衡式 Magnetic Balance	±(12-15) × (1 ± 5%)V	100mA	≤ ±0.4%		≤0.1%	≤ ±0.2mA	≤1us	6kV/50Hz/1min	-25℃~+85℃		page14 Fig.(4)
500A	NT500-S/SP2	0 ~ ±800A	磁平衡式 Magnetic Balance	±(15-18) × (1 ± 5%)V	100mA	≤ ±0.4%		≤0.1%	≤ ±0.13mA	≤1us	6kV/50Hz/1min	-40℃~+70℃		page15 Fig.(9)
500A	NA505-S	0 ~ ±1000A	磁平衡式 Magnetic Balance	±(15-24) × (1 ± 5%)V	142.8mA	≤ ±0.8%		≤0.1%	≤ ±0.15mA	≤1us	6kV/50Hz/1min	-40℃~+85℃		page16 Fig.(10)
500A	NA505-S/SP3	0 ~ ±800A	磁平衡式 Magnetic Balance	±(12-15) × (1 ± 5%)V	250mA	≤ ±0.8%		≤0.1%	≤ ±0.25mA	≤1us	6kV/50Hz/1min	-40℃~+85℃		page16 Fig.(11)
500A	New NACL500-S1	0 ~ ±1000A	磁平衡式 Magnetic Balance	±(15-24) × (1 ± 5%)V	142.8mA	≤ ±0.8%		≤0.1%	≤ ±0.15mA	≤1us	6kV/50Hz/1min	-40℃~+85℃		page16 Fig.(12)
500A	NACL500Q1-S3	0 ~ ±1200A	磁平衡式 Magnetic Balance	±(15-24) × (1 ± 5%)V	125mA	≤ ±0.6%		≤0.1%	≤ ±0.5mA	≤1us	12kV/50Hz/1min	-40℃~+85℃		page17 Fig.(13)
500A	NACF.500-S1/SP2V	0 ~ ±1200A	直接放大 Straight Amplification	±15 × (1 ± 5%)V	4V	≤ ±1%		≤1%	≤ ±30mV	≤10us	2.5kV/50Hz/1min	-40℃~+85℃		page13 Fig.(3)
600A	NACL600C-S3/SP3	0 ~ ±1500A	磁平衡式 Magnetic Balance	±(15-24) × (1 ± 5%)V	200mA	≤ ±0.7%		≤0.1%	≤ ±0.5mA	≤1us	13.6kV/50Hz/1min	-40℃~+85℃		page15 Fig.(7)
800A	NACF.800-S1/SP2V	0 ~ ±2400A	直接放大 Straight Amplification	±15 × (1 ± 5%)V	4V	≤ ±1%		≤1%	≤ ±30mV	≤10us	2.5kV/50Hz/1min	-40℃~+85℃		page13 Fig.(3)
1000A	NT1000C-S/SP2	0 ~ ±2400A	磁平衡式 Magnetic Balance	±(15-24) × (1 ± 5%)V	200mA	≤ ±0.4%		≤0.1%	≤ ±0.5mA	≤1us	13.6kV/50Hz/1min	-40℃~+85℃		page15 Fig.(7)

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Primary Nominal Current	product Model No.	Measuring Range	Working Principle	Supply Voltage	Secondary Nominal output	Accuracy		Linearity	Offset of zero	Response Time	Isolation Voltage	Operating Temperature	Drawing	
1000A	NT1000C-S/SP3	0 ~ ±2400A	磁平衡式 Magnetic Balance	±(15-24) × (1 ± 5%)V	200mA	≤ ±0.4%		≤0.1%	≤ ±0.5mA	≤1us	13.6kV/50Hz/1min	-40℃~+85℃		page17 Fig.(15)
1000A	NACL1000Q-S5/SP2	0 ~ ±3000A	磁平衡式 Magnetic Balance	±24 × (1 ± 20%)V	250mA	≤ ±0.6%		≤0.1%	≤ ±0.5mA	≤1us	13.6kV/50Hz/1min	-40℃~+85℃		page18 Fig.(16)
1000A	NACL1000Q-S5/SP7	0 ~ ±2400A	磁平衡式 Magnetic Balance	±(15-24) × (1 ± 5%)V	200mA	≤ ±0.4%		≤0.1%	≤ ±0.5mA	≤1us	13.6kV/50Hz/1min	-40℃~+85℃		page18 Fig.(17)
1000A	New NACL1000Q-S3/SP4	0 ~ ±2400A	磁平衡式 Magnetic Balance	±(15-24) × (1 ± 5%)V	200mA	≤ ±0.4%		≤0.1%	≤ ±0.5mA	≤1us	13.6kV/50Hz/1min	-40℃~+85℃		page18 Fig.(18)
1000A	New NACL1000Q-S5/SP9	0 ~ ±3000A	磁平衡式 Magnetic Balance	±24 × (1 ± 20%)V	250mA	≤ ±0.6%		≤0.1%	≤ ±0.5mA	≤1us	13.6kV/50Hz/1min	-40℃~+85℃		page19 Fig.(19)
1000A	New NACL1000Q-S5/SP8	0 ~ ±3000A	磁平衡式 Magnetic Balance	±24 × (1 ± 20%)V	250mA	≤ ±0.6%		≤0.1%	≤ ±0.5mA	≤1us	13.6kV/50Hz/1min	-40℃~+85℃		page19 Fig.(20)
2000A	NCA1N-2000A	0 ~ ±2200A	直接放大 Straight Amplification	±15 × (1 ± 3%)V	10V	≤ ±1%		≤1%	≤ ±30mV	≤25us	3.5kV/50Hz/1min	-40℃~+85℃		page14 Fig.(6)
2000A	NCA1P-2000A	0 ~ ±3000A	直接放大 Straight Amplification	±(12-15) × (1 ± 5%)V	4V	≤ ±2%		≤1%	≤ ±40mV	≤10us	3kV/50Hz/1min	-40℃~+85℃		page19 Fig.(21)
2000A	NT2000C-S/SP2	0 ~ ±3500A	磁平衡式 Magnetic Balance	±(15-24) × (1 ± 5%)V	400mA	≤ ±0.5%		≤0.1%	≤ ±0.4mA	≤1us	12kV/50Hz/1min	-40℃~+85℃		page20 Fig.(22)
2000A	NACL2000E1-S5/SP3	0 ~ ±2800A	磁平衡式 Magnetic Balance	±(15-24) × (1 ± 5%)V	500mA	≤ ±0.4%		≤0.1%	≤ ±0.4mA	≤1us	12kV/50Hz/1min	-40℃~+85℃		page20 Fig.(23)
2000A	New NACL2000A-S1	0 ~ ±3500A	磁平衡式 Magnetic Balance	±(15-24) × (1 ± 5%)V	400mA	≤ ±0.5%		≤0.1%	≤ ±0.4mA	≤1us	12kV/50Hz/1min	-40℃~+85℃		page20 Fig.(24)
3000A	NACF.3000-S1V	0 ~ ±3500A	直接放大 Straight Amplification	±15 × (1 ± 5%)V	10V	≤ ±1%		≤1%	≤ ±50mV	≤100us	2.5kV/50Hz/1min	-40℃~+85℃		page13 Fig.(3)

