


Close-Loop & Fluxgate Current Sensor

Series		N25	N50H	N1002H	N125P	N2002P	Y06-500	Y06-1000	LF01	LF03
Photo										
Technology		Hall Close-Loop							Fluxgate	
Mounting type	PCB	*	*	*	*	*			*	*
	Terminal plug						*	*		
Current measuring range	I_{PN}^{*1}	±25A	±50A	±100A	±125A	±200A	±500A	±1,000A	±50A	±150A
	Max.	±50A	±90A	±180A	±200A	±300A	±800A	±2,000A	±150A	±270A
Step response to 90% of I_{PN}^{*1}		<0.5µs	<0.5µs	<0.5µs	<1µs	<1µs	<1µs	<1µs	<1µs	
Supply voltage		±12...15VDC					±15...24VDC		5VDC	
Output		Current ratio output(mA)							2.5V±0.625	
Current conversion ratio		1-2-3-4:1,000	1:1,000	1:2,000	1:1,000	1:2,000	1:5,000			
Non-linearity error		<±0.2%/I _{PN}	<±0.1%/I _{PN}	<±0.1%/I _{PN}	<±0.15%/I _{PN}	<±0.15%/I _{PN}	<±0.1%/I _{PN}	<±0.15%/I _{PN}	<±0.1%/I _{PN}	
Ambient operating temperature	Min.	-40°C					-40°C	-40°C	-40°C	-40°C
	Max.	85°C					70°C	85°C	105°C	85°C
Energy Management		*	*	*	*	*	*	*	*	*
Drive Motion		*	*	*	*	*	*	*	*	*
Domestic Appliances		*	*	*	*	*			*	
Industrial Automation		*	*	*	*	*	*	*	*	*

*1 I_{PN} = Current nominal measuring range

