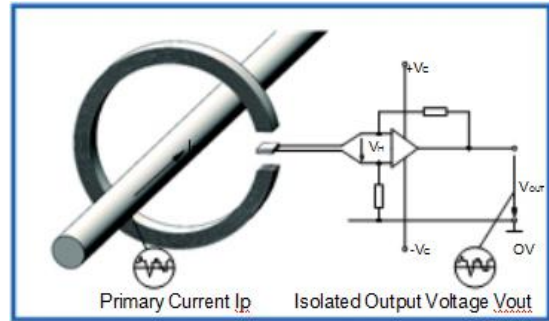


## Open loop hall current sensors

Open loop hall current sensors use the open loop hall direct testing principle to test direct current, alternating current and pulse current, the primary current is electrical isolation with secondary output signal. The output value can be customized. This produce has core through structure, no insertion loss, various case styles. For split core structure, there is no need to cut off the primary bus for installation.

### Working Principle

The magnetic flux produced by primary current  $I_p$  is focused on the core, use hall unit to test in the air gap, The output of hall unit can accurately reflect the primary current change on the sensor output side after treatment.



### Functions

- Small size
- Lower power consumption
- Wide measuring range
- No insertion loss
- Light weight

Part No.	Nominal Current $I_N$ (A)	Measuring Range $I_P$ (A)	Rated Output $V_m$ $\checkmark$ VD	Supply Voltage $V_c$ (V)	Frequency $\checkmark$ KHZD	Accuracy $T_a=25^{\circ}\text{C}$ $\checkmark$ %D	Operating Temperature $T_a$ $\checkmark$ $^{\circ}\text{C}$ D	Isolation Voltage $V_i$ $\checkmark$ KVD	Responding Time $\checkmark$ msD	Window $\checkmark$ mmD	Connection Figure NO.	Profile NO.
GW3HOS-50i4	50	75	$\pm 4$	$\pm 12\sim 15$	0-20	1.0	-25...+85	2.5	< 10	$\Phi 16$	6	5
GWHOS-100i4	100	150	$\pm 4$	$\pm 12\sim 15$	0-20	1.0	-25...+85	2.5	< 10	$\Phi 16$	6	5
GWHOS-200i4	200	300	$\pm 4$	$\pm 12\sim 15$	0-20	1.0	-25...+85	2.5	< 10	$\Phi 16$	6	5
GWHOS-300i4	300	450	$\pm 4$	$\pm 12\sim 15$	0-20	1.0	-25...+85	2.5	< 10	$\Phi 16$	6	5
GWHOS-50G	50	75	$\pm 4$	$\pm 12\sim 15$	0-20	1.0	-25...+85	2.5	< 3	10x20	7	39
GWHOS-100G	100	150	$\pm 4$	$\pm 12\sim 15$	0-20	1.0	-25...+85	2.5	< 3	10x20	7	39
GWHOS-200G	200	300	$\pm 4$	$\pm 12\sim 15$	0-20	1.0	-25...+85	2.5	< 3	10x20	7	39
GWHOS-300G	300	450	$\pm 4$	$\pm 12\sim 15$	0-20	1.0	-25...+85	2.5	< 3	10x20	7	39
GWHOS-400G	400	600	$\pm 4$	$\pm 12\sim 15$	0-20	1.0	-25...+85	2.5	< 3	10x20	7	39
GWHOS-500G	500	750	$\pm 4$	$\pm 12\sim 15$	0-20	1.0	-25...+85	2.5	< 3	10x20	7	39
GWHOS-600G	600	900	$\pm 4$	$\pm 12\sim 15$	0-20	1.0	-25...+85	2.5	< 3	10x20	7	39
GWHOS-50C	50	75	$\pm 4$	$\pm 12\sim 15$	0-20	1.0	-25...+85	3	< 10	$\Phi 20$	7	10
GWHOS-100C	100	150	$\pm 4$	$\pm 12\sim 15$	0-20	1.0	-25...+85	3	< 10	$\Phi 20$	7	10
GWHOS-200C	200	300	$\pm 4$	$\pm 12\sim 15$	0-20	1.0	-25...+85	3	< 10	$\Phi 20$	7	10
GWHOS-300C	300	450	$\pm 4$	$\pm 12\sim 15$	0-20	1.0	-25...+85	3	< 10	$\Phi 20$	7	10
GWHOS-400C	400	600	$\pm 4$	$\pm 12\sim 15$	0-20	1.0	-25...+85	3	< 10	$\Phi 20$	7	10
GWHOS-600C	600	900	$\pm 4$	$\pm 12\sim 15$	0-20	1.0	-25...+85	3	< 10	$\Phi 20$	7	10
GWHOS-100C5	100	150	$\pm 4$	$\pm 12\sim 15$	0-20	1.0	-25...+85	3	< 10	$\Phi 25$	7	11



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Part No.	Nominal Current $I_N$ (A)	Measuring Range $I_P$ (A)	Rated Output $V_M$ CVD	Supply Voltage $V_C$ (V)	Frequency $\check{c}$ KHZD	Accuracy $T_a=25^\circ\text{C}$ $\check{c}\%$ D	Operating Temperature $T_a$ $^\circ\text{C}$ D	Isolation Voltage $V_i$ $\check{c}$ KVD	Responding Time $\check{c}\mu\text{s}$ D	Window $\check{c}$ mmD	Connection Figure NO.	Profile NO.
GWHOS-200C5	200	300	±4	±12~15	0-20	1.0	-25...+85	3	< 10	Φ25	7	11
GWHOS-400C5	400	600	±4	±12~15	0-20	1.0	-25...+85	3	< 10	Φ25	7	11
GWHOS-600C5	600	900	±4	±12~15	0-20	1.0	-25...+85	3	< 10	Φ25	7	11
GWHOS-200C6	200	300	±4	±12~15	0-20	1.0	-25...+85	3	< 10	Φ30	7	12
GWHOS-400C6	400	600	±4	±12~15	0-20	1.0	-25...+85	3	< 10	Φ30	7	12
GWHOS-600C6	600	900	±4	±12~15	0-20	1.0	-25...+85	3	< 10	Φ30	7	12
GWHOS-800C6	800	1200	±4	±12~15	0-20	1.0	-25...+85	3	< 10	Φ30	7	12
GWHOS-200C7	200	300	±4	±12~15	0-20	1.0	-25...+85	5	< 10	Φ35	7	13
GWHOS-400C7	400	600	±4	±12~15	0-20	1.0	-25...+85	5	< 10	Φ35	7	13
GWHOS-600C7	600	900	±4	±12~15	0-20	1.0	-25...+85	5	< 10	Φ35	7	13
GWHOS-800C7	800	1200	±4	±12~15	0-20	1.0	-25...+85	5	< 10	Φ35	7	13
GWHOS-1000C7	1000	1500	±4	±12~15	0-20	1.0	-25...+85	5	< 10	Φ35	7	13
GWHOS-500C8	500	750	±4	±12~15	0-20	1.0	-25...+85	5	< 10	Φ45	7	14
GWHOS-600C8	600	900	±4	±12~15	0-20	1.0	-25...+85	5	< 10	Φ45	7	14
GWHOS-800C8	800	1200	±4	±12~15	0-20	1.0	-25...+85	5	< 10	Φ45	7	14
GWHOS-1000C8	1000	1500	±4	±12~15	0-20	1.0	-25...+85	5	< 10	Φ45	7	14
GWHOS-1500C8	1500	2250	±4	±12~15	0-20	1.0	-25...+85	5	< 10	Φ45	7	14

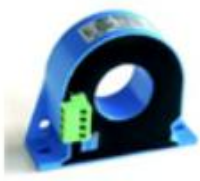
Part No.	Nominal Current $I_N$ (A)	Measuring Range $I_P$ (A)	Rated Output $I_{OUT}$ $\check{c}$ mA ) $V_{OUT}$ $\check{c}$ V D	Supply Voltage $V_C$ (V)	Frequency $\check{c}$ KHZD	Accuracy $T_a=25^\circ\text{C}$ $\check{c}\%$ D	Operating Temperature $T_a$ $^\circ\text{C}$ D	Isolation Voltage $V_i$ $\check{c}$ KVD	Responding Time $\check{c}\mu\text{s}$ D	Window $\check{c}$ mmD	Connection Figure NO.	Profile NO.
GWHOS-50Q1	50	75	±4	±12~15	0-20	1.0	-25...+85	5	< 10	Φ21	7	40
GWHOS-100Q1	100	150	±4	±12~15	0-20	1.0	-25...+85	5	< 10	Φ21	7	40
GWHOS-200Q1	200	300	±4	±12~15	0-20	1.0	-25...+85	5	< 10	Φ21	7	40
GWHOS-300Q1	300	450	±4	±12~15	0-20	1.0	-25...+85	5	< 10	Φ21	7	40
GWHOS-400Q1	400	600	±4	±12~15	0-20	1.0	-25...+85	5	< 10	Φ21	7	40
GWHOS-500Q1	500	750	±4	±12~15	0-20	1.0	-25...+85	5	< 10	Φ21	7	40

Address: HeXi Distr,300222 Tianjin China.  
 Website:www.grewin-tech.com  
 Email:salesmanager@grewin-tech.com

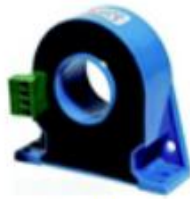
Phone:+82-22-84943756  
 WhatsApp:+86-13072088960



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Part No.	Normal Current I <sub>N</sub> (A)	Measuring Range I <sub>P</sub> (A)	Rated Output V <sub>M</sub> CVD	Supply Voltage V <sub>C</sub> (V)	Frequency cKHzU	Accuracy I <sub>a</sub> = 25°C c%U	Operating Temperature I <sub>a</sub> c°C.U	Isolation Voltage V <sub>i</sub> cKVU	Responding Time cμsU	Window cmmD	Connection Figure NO.	Profile NO.
GWHOS-100Q11	100	150	±4	±12~15	0-20	1.0	-25...+85	5	< 10	Φ35	7	41
GWHOS-200Q11	200	300	±4	±12~15	0-20	1.0	-25...+85	5	< 10	Φ35	7	41
GWHOS-400Q11	400	600	±4	±12~15	0-20	1.0	-25...+85	5	< 10	Φ35	7	41
GWHOS-600Q11	600	900	±4	±12~15	0-20	1.0	-25...+85	5	< 10	Φ35	7	41
GWHOS-800Q11	800	1200	±4	±12~15	0-20	1.0	-25...+85	5	< 10	Φ35	7	41
GWHOS-50Q2	50	75	±4	±12~15	0-20	1.0	-25...+85	6	< 10	Φ25	7	42
GWHOS-100Q2	100	150	±4	±12~15	0-20	1.0	-25...+85	6	< 10	Φ25	7	42
GWHOS-200Q2	200	300	±4	±12~15	0-20	1.0	-25...+85	6	< 10	Φ25	7	42
GWHOS-300Q2	300	450	±4	±12~15	0-20	1.0	-25...+85	6	< 10	Φ25	7	42
GWHOS-400Q2	400	600	±4	±12~15	0-20	1.0	-25...+85	6	< 10	Φ25	7	42
GWHOS-500Q2	500	750	±4	±12~15	0-20	1.0	-25...+85	6	< 10	Φ25	7	42
GWHOS-600Q2	600	900	±4	±12~15	0-20	1.0	-25...+85	6	< 10	Φ25	7	42
GWHOS-100Q3	100	150	±4	±12~15	0-20	1.0	-25...+85	6	< 10	Φ35	7	43
GWHOS-200Q3	200	300	±4	±12~15	0-20	1.0	-25...+85	6	< 10	Φ35	7	43
GWHOS-400Q3	400	600	±4	±12~15	0-20	1.0	-25...+85	6	< 10	Φ35	7	43
GWHOS-600Q3	600	900	±4	±12~15	0-20	1.0	-25...+85	6	< 10	Φ35	7	43
GWHOS-100Q4	100	150	±4	±12~15	0-20	1.0	-25...+85	6	< 10	Φ50	7	44
GWHOS-200Q4	200	300	±4	±12~15	0-20	1.0	-25...+85	6	< 10	Φ50	7	44
GWHOS-400Q4	400	600	±4	±12~15	0-20	1.0	-25...+85	6	< 10	Φ50	7	44
GWHOS-600Q4	600	900	±4	±12~15	0-20	1.0	-25...+85	6	< 10	Φ50	7	44
GWHOS-800Q4	800	1200	±4	±12~15	0-20	1.0	-25...+85	6	< 10	Φ50	7	44
GWHOS-1000Q4	1000	1500	±4	±12~15	0-20	1.0	-25...+85	6	< 10	Φ50	7	44
GWHOS-50K1	50	75	±4	±12~15	0-20	1.0	-25...+85	5	< 10	42x15	7	45
GWHOS-100K1	100	150	±4	±12~15	0-20	1.0	-25...+85	5	< 10	42x15	7	45
GWHOS-200K1	200	300	±4	±12~15	0-20	1.0	-25...+85	5	< 10	42x15	7	45
GWHOS-300K1	300	450	±4	±12~15	0-20	1.0	-25...+85	5	< 10	42x15	7	45
GWHOS-400K1	400	600	±4	±12~15	0-20	1.0	-25...+85	5	< 10	42x15	7	45
GWHOS-500K1	500	750	±4	±12~15	0-20	1.0	-25...+85	5	< 10	42x15	7	45
GWHOS-600K1	600	900	±4	±12~15	0-20	1.0	-25...+85	5	< 10	42x15	7	45
GWHOS-200K2	200	300	±4	±12~15	0-20	1.0	-25...+85	5	< 10	64x16	7	46

Address: HeXi Distr,300222 Tianjin China.  
 Website:www.grewin-tech.com  
 Email:salesmanager@grewin-tech.com

Phone:+82-22-84943756  
 WhatsApp:+86-13072088960



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Part No.	Nominal Current $I_n$ (A)	Measuring Range $I_p$ (A)	Rated Output $V_M$ ±V	Supply Voltage $V_c$ (V)	Frequency $f$ (KHZ)	Accuracy $T_a=25^\circ C$ ±% D	Operating Temperature $T_a$ °C	Isolation Voltage $V_i$ kV	Responding Time $t$ (ms)	Window $\phi$ (mm)	Connection Figure NO.	Profile NO.
GWHOS-400K2	400	600	±4	±12~15	0-20	1.0	-25...+85	5	< 10	64x16	7	46
GWHOS-600K2	600	900	±4	±12~15	0-20	1.0	-25...+85	5	< 10	64x16	7	46
GWHOS-800K2	800	1200	±4	±12~15	0-20	1.0	-25...+85	5	< 10	64x16	7	46
GWHOS-1000K2	1000	1500	±4	±12~15	0-20	1.0	-25...+85	5	< 10	64x16	7	46
GWHOS-1000K3	1000	1500	±4	±12~15	0-20	1.0	-25...+85	5	< 10	84x22	7	47
GWHOS-2000K3	2000	3000	±4	±12~15	0-20	1.0	-25...+85	5	< 10	84x22	7	47
GWHOS-3000K3	3000	4500	±4	±12~15	0-20	1.0	-25...+85	5	< 10	84x22	7	47
GWHOS-5000K3	5000	6000	±4	±12~15	0-20	1.0	-25...+85	5	< 10	84x22	7	47
GWHOS-6000K3	6000	9000	±4	±12~15	0-20	1.0	-25...+85	5	< 10	84x22	7	47
GWHOS-1000K4	1000	1500	±4	±12~15	0-20	1.0	-25...+85	5	< 10	100x42	7	48
GWHOS-2000K4	2000	3000	±4	±12~15	0-20	1.0	-25...+85	5	< 10	100x42	7	48
GWHOS-3000K4	3000	4500	±4	±12~15	0-20	1.0	-25...+85	5	< 10	100x42	7	48
GWHOS-4000K4	4000	6000	±4	±12~15	0-20	1.0	-25...+85	5	< 10	100x42	7	48
GWHOS-6000K4	6000	9000	±4	±12~15	0-20	1.0	-25...+85	5	< 10	100x42	7	48
GWHOS-1000K5	1000	1500	±4	±12~15	0-20	1.0	-25...+85	6	< 10	82x22	7	49
GWHOS-2000K5	2000	3000	±4	±12~15	0-20	1.0	-25...+85	6	< 10	82x22	7	49
GWHOS-3000K5	3000	4500	±4	±12~15	0-20	1.0	-25...+85	6	< 10	82x22	7	49
GWHOS-4000K5	4000	6000	±4	±12~15	0-20	1.0	-25...+85	6	< 10	82x22	7	49
GWHOS-5000K5	5000	7500	±4	±12~15	0-20	1.0	-25...+85	6	< 10	82x22	7	49
GWHOS-6000K5	6000	9000	±4	±12~15	0-20	1.0	-25...+85	6	< 10	82x22	7	49
GWHOS-2000K6	2000	3000	±4	±12~15	0-20	1.0	-25...+85	6	< 10	122x22	7	50



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GWHOS-3000K6	3000	4500	±4	±12~15	0-20	1.0	-25...+85	6	< 10	22x22	7	50
GWHOS-5000K6	5000	7500	±4	±12~15	0-20	1.0	-25...+85	6	< 10	22x22	7	50
GWHOS-8000K6	8000	12000	±4	±12~15	0-20	1.0	-25...+85	6	< 10	22x22	7	50
GWHOS-10000K6	10000	15000	±4	±12~15	0-20	1.0	-25...+85	6	< 10	22x22	7	50
GWHOS-3000K7	3000	4500	±4	±12~15	0-20	1.0	-25...+85	6	< 10	184x44	7	51
GWHOS-5000K7	5000	7500	±4	±12~15	0-20	1.0	-25...+85	6	< 10	184x44	7	51
GWHOS-8000K7	8000	12000	±4	±12~15	0-20	1.0	-25...+85	6	< 10	184x44	7	51
GWHOS-10000K7	10000	15000	±4	±12~15	0-20	1.0	-25...+85	6	< 10	184x44	7	51



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Address: HeXi Distr,300222 Tianjin China.  
 Website:www.grewin-tech.com  
 Email:salesmanager@grewin-tech.com

Phone:+82-22-84943756  
 WhatsApp:+86-13072088960