

# HCSW04 Series

For the electronic measurement of currents : DC, AC, pulsed, mixed, with a galvanic isolation between the primary (high power) circuit and the secondary (electronic) circuit.



## Operating performance (AT=25°C)

Performance	Part No.	HCSW04-0R1-31	HCSW04-0R2-31	HCSW04-0R3-31	HCSW04-0R4-31	HCSW04-0R5-31	HCSW04-0R7-31	HCSW04-010-31	HCSW04-020-31	HCSW04-030-31	HCSW04-040-31	HCSW04-050-31	HCSW04-046-31
Operating current	$I_{OP}$ (A)	0.1±0.005	0.2±0.015	0.3±0.03	0.4±0.04	0.5±0.05	0.75±0.075	1±0.1	2±0.2	3±0.3	4±0.5	5±0.75	46
Release current	$I_{REL}$ (A) type	0.065	0.13	0.2	0.26	0.325	0.55	0.73	1.75	2.6	3.5	4.35	40
Supply voltage	$V_{CC}$	4.5~24V <sub>DC</sub>											
Output current	$I_{OUT}$	< 25mA											
Operating output voltage	$V_{OUT(ON)}$	0.2V <sub>DC</sub>											
Cut-off output voltage	$V_{OUT(OFF)}$	$V_{CC} V_{DC}$											
Supply current	$I_C$	4.4mA (type) 9 max@T <sub>A</sub> =25°C											
Output rise time	$T_r$	0.04µs											
Output fall time	$T_f$	0.18µs											
Isolation voltage	$V_d$	2.5KV @50(60)Hz/1min											
Frequency bandwidth	f	0~20KHz @V <sub>C</sub> =10V											

## General data

Operating temperature	T <sub>A</sub>	-40 ~ 125°C
Storage temperature	T <sub>S</sub>	-40 ~ 125°C
Mass	m	<16g
Note		Insulated plastic case recognized according to UL 94-V 0

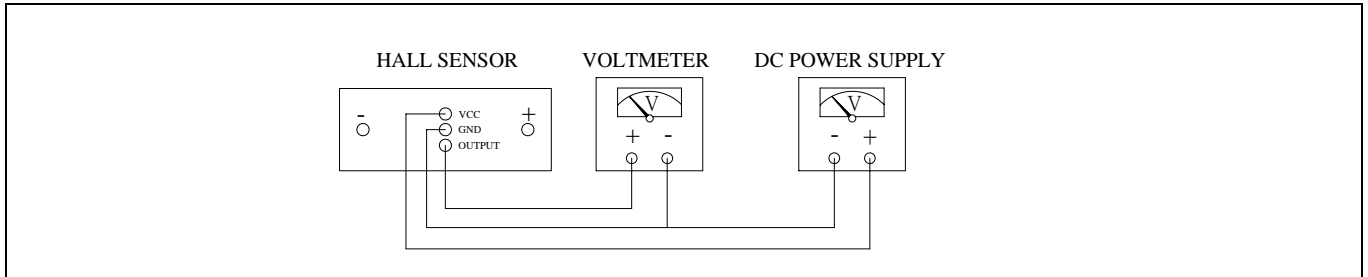
## Applications

- |  |  |
|--|--|
| 1. Battery supplied applications       | 3. Switched Mode Power Supplies(SMPS)      |
| 2. Uninterruptible Power Supplies(UPS) | 4. Power supplies for welding applications |

## Advantages

- |  |                                    |
|--|------------------------------------|
| 1. Output voltage is isolated from the input | 3. Excellent temperature stability |
| 2. Senses DC or AC current                   | 4. Very low insertion losses       |

## Connection



## Dimensions (unit: mm/inch)

