

## Hall Current Sensor CYHCS-K3

This Hall Effect current sensor can be used for measurement of DC and AC current, pulsed currents etc. The output of the transducer reflects the real wave of the current carrying conductor.



Product Characteristics	Applications
<ul style="list-style-type: none"> <li>• Excellent accuracy</li> <li>• Very good linearity</li> <li>• Small size</li> <li>• Light in weight</li> <li>• Less power consumption</li> <li>• Window structure</li> <li>• Electrically isolating the output of the transducer from the current carrying conductor</li> <li>• No insertion loss</li> <li>• Current overload capability</li> </ul>	<ul style="list-style-type: none"> <li>• Frequency conversion timing equipments</li> <li>• Various power supply</li> <li>• Uninterruptible power supplies (UPS)</li> <li>• Electric welding machines</li> <li>• Transformer substation</li> <li>• Numerical controlled machine tools</li> <li>• Electrolyzing and electroplating equipments</li> <li>• Electric powered locomotive</li> <li>• Microcomputer monitoring</li> <li>• Electric power network monitoring</li> </ul>

### Electrical Data/Input

Primary Nominal RMS Current $I_r$ (A)	Primary Current Measuring Range $I_p$ (A) at $V_{cc}=15V$	Aperture (mm)	Part number
50	± 150	20.5x10.5	CYHCS-K3-050A
100	± 300	20.5x10.5	CYHCS-K3-100A
150	± 450	20.5x10.5	CYHCS-K3-150A
200	± 600	20.5x10.5	CYHCS-K3-200A
250	± 750	20.5x10.5	CYHCS-K3-250A
300	± 900	20.5x10.5	CYHCS-K3-300A
350	± 900	20.5x10.5	CYHCS-K3-350A
400	± 900	20.5x10.5	CYHCS-K3-400A
450	± 900	20.5x10.5	CYHCS-K3-450A
500	± 900	20.5x10.5	CYHCS-K3-500A
550	± 900	20.5x10.5	CYHCS-K3-550A
600	± 900	20.5x10.5	CYHCS-K3-600A

Supply Voltage

Current Consumption

RMS Voltage for 2.5kV AC isolation test, 50/60Hz, 1min,

Isolation Resistance at 500V DC

$V_{cc} = \pm 15V \pm 5\%$ ,

$I_c < 20mA$

$V_{is} < 10mA$

$R_{is} > 500 M\Omega$

