



MODEL:	ID-5111M	ID-5001M	ID-5011M	ID-5031M
<b>Measuring Circuit</b>				
<b>Rated current dc or ac peak</b>	0 to 100 A	0 to 350 A		
<b>Frequency range</b>	dc to 1 kHz max			
<b>Inductance (1 turn)</b>	0.1 $\mu$ H			
<b>Calibration level</b>	100 A	325 A	275 A	325 A
<b>Excitation Circuit</b>				
<b>Rated excitation (max)</b>	15 V dc or ac rms at $\leq 40$ mA	40 mA dc or ac rms at $\leq 5$ V	15 V dc or ac rms at $\leq 40$ mA	15 V dc at $\leq 45$ mA
<b>Input resistance</b>	$\geq 375 \Omega$	40 to 120 $\Omega$	$\geq 375 \Omega$	$\geq 300 \Omega$
<b>Output Circuit</b>				
<b>Sensitivity, minimum nominal maximum</b>	0.5 mV/A	0.5 mV/A 1.1 mV/A	0.5 mV/A	0.5 mV/A
<b>Calibration tolerance</b>	$\pm 2.5\%$	$\pm 0.5\%$	$\pm 2.5\%$	$\pm 0.5\%$
<b>Linearity, 0 to rated current</b>	$\pm 2\%$ F.S.			
<b>Response time to 99%</b>	50 $\mu$ S			
<b>Source resistance</b>	70 to 300 $\Omega$			
<b>Load resistance</b>	$\geq 10k \Omega$			
<b>INFLUENCES ON ACCURACY</b>				
<b>Zero current offset</b>	$< \pm 1$ mV	$< \pm 16$ mV	$< \pm 1$ mV	$\leq \pm 0.1$ mV
<b>Excitation variation (<math>\pm 1\%</math>)</b>	$\pm 1\%$	$\pm 1\%$	$\pm 1\%$	$< \pm 0.1\%$
<b>Temperature, ambient -40°C to 80°C</b>	$< -0.1\%/^{\circ}\text{C}$	$< -0.1\%/^{\circ}\text{C}$	$< -0.1\%/^{\circ}\text{C}$	$< -0.05\%/^{\circ}\text{C}$
<b>Close proximity of the return conductor</b>	$< 0.25\%$ of Reading			
<b>Close proximity of ferrous metals</b>	$< 0.15\%$ of Reading			
<b>Eccentric position of conductor in the aperture</b>	$< 0.05\%$ of Reading			
<b>Withstand Capabilities</b>				
<b>Dielectric test between a bare 3/4" diameter conductor thru the aperture and the sensor circuits</b>	6 kV rms			
<b>Output short or open circuit</b>	No Damage			