



# ACF-3000AK

## 3000A Flexible Current Transformer



### SPECIFICATIONS

<b>Measuring Ranges:</b>	300A/3000A
<b>Output Sensitivity:</b>	1mV/0.1mV/A (AC coupled)
<b>Accuracy: (at 25°C)</b>	±1% of range
<b>Frequency Range:</b>	10Hz to 5kHz
<b>Phase Error:</b>	±1° (45 to 65 Hz), ±10° (at 5 kHz)
<b>Linearity:</b>	±0.2% of reading from 10% to 100% of range
<b>Position Sensitivity:</b>	±2% of range, cable >25mm (1") from coupling
<b>External Field:</b>	±1% with cable >200mm (8") from head
<b>Minimum Load:</b>	100kW for specified accuracy
<b>Noise Level:</b>	1.0mV rms (0.3% of range)
<b>Operating Temperature:</b>	-20°C to 85°C (-4°F to 185°F) Electronics
<b>Storage Temperature:</b>	-20°C to 85°C (-4°F to 185°F) Electronics
<b>Gain Variation:</b>	±0.08%/°C
<b>Common Mode Voltage:</b>	Voltage between the Output the Earth must not exceed 30V
<b>Power Supply:</b>	2 x AA/MN1500 LR6 (1.5V) batteries
<b>Battery Life:</b>	4000 hours, 3000 hours typical (4 months cont.)
<b>Low Battery Indication:</b>	Red LED flashing
<b>External Power:</b>	Battery eliminator, via 2.1mm connector, 3V DC Socket type A16M500
<b>Safety:</b>	BS EN61010-1: 1993, 600V CATIII Pol. Deg 2
<b>EMC:</b>	EN61326: 1998
<b>Enclosure:</b>	IP5X, Flame retardant UL94-VO rated
<b>Material:</b>	Valox 357 X
<b>Output Connections:</b>	Hypotronics connector type DO1EEB306FST
<b>Weight:</b>	0.19 kg (0.4 lb)
<b>Measuring Head</b>	
<b>Cable length:</b>	610mm (24 inches), double insulated
<b>Cable Diameter:</b>	14.3mm (0.562 inches)
<b>Bend Radius:</b>	38.1mm (1.5 inches) minimum
<b>Connecting Cable:</b>	2m (78.7 inches) long, double insulated
<b>Material:</b>	TPE rubber, Polypropylene, UL94-VO rated
<b>Operating Temperature:</b>	-20°C to +90°C (-4°F to 194°F) Head
<b>Storage Temperature:</b>	-40°C to +105°C (-40°F to 221°F) Head
<b>Safety:</b>	BS EN 61010-1: 1993, 600V CAT III Pol. Deg 2
<b>Weight:</b>	0.18kg (0.4 lb)