

# Data sheet

## ICA 32N

### AC/DC Current Transducer

#### FEATURE:

- AC/DC 600A Capability
- Hall effect technology
- 2.0% basic DCA/ACA accuracy
- Non-intrusive transducing
- Up to 34mm Dia. conductor
- Up to 20x40mm bus bar
- DCA zero adjust knob
- Power on indicator
- Battery low indicating
- 5 feet drop proof
- Coiled cable output plugs
- Hand guard protection
- Carrying case included
- CAT.II 600V Safety standard

**SPECIFICATION:** (All at 23°C ±5°C, ≤80% R.H.)

#### AC Current

Range	Accuracy 45Hz~65Hz
0A~100A	±(2%+2A)
100A~400A	±(2%+2A)
400A~1000A	±(2.5%+2A)

**Resolution:** 10mV/A, 1mV/A

#### DC Current

Range	Accuracy
0A~100A	±(2%+2A)
100A~400A	±(2%+2A)
400A~600A	±(2.5%+2A)

**Resolution:** 10mV/A, 1mV/A

**Load Impedance:** 100KΩ min

**Position Error:** ±1% of reading

**Output Voltage:** AC/DC, 10mV/A in 100A, 1mV/A in 600A

**Type of Sensing:** Hall effect sensing for AC and DC

#### General

<b>Low Battery Indication:</b>	Red LED
<b>Auto Power Off:</b>	Approx. 15 minutes after last operation

<b>Operating Temperature:</b>	0°C~30°C (≤80% R.H.), 30°C~40°C (≤75% R.H.), 40°C~50°C (≤45% R.H.)
<b>Storage Temperature:</b>	-20°C~60°C
<b>Temperature Coefficient:</b>	0.2×(spec. Acc'y)/°C <18°C, >28°C
<b>Shock Proof:</b>	4 feet drops
<b>Safety:</b>	IEC 61010-1: CAT.II 600V/CAT.III 300V
<b>Maximum Conduct Size:</b>	34mm dia.
<b>Maximum Jaw Opening:</b>	38mm dia.
<b>Maximum Busbar Size:</b>	20×40mm dia.
<b>Power Requirement:</b>	Single 9V battery (NEDA 1604 or IEC 6F22)
<b>Battery Life:</b>	45 hours(Alkaline)
<b>Size:</b>	60mm(W)×203mm(L)×27mm(H), w/o cable
<b>Weight:</b>	380g
<b>Accessories:</b>	Coiled Cable Output Plugs, Carrying Case and User Manual