

Split core transducer for the electronic measurement AC waveforms current, with galvanic isolation between the primary (High power) and the secondary circuits (Electronic circuit). Switch selectable ranges and RMS 0-5V and 0-10V switch selectable voltage output.



Ele	ctrical data					
Primary Nominal Current I <sub>PN</sub> (A.t.RMS)		Analogue Output Signal V <sub>out</sub> (V)		Туре	Туре	
10,25,50 50,75,100 100,150,200 200,300,400		0-5V or 0-10V A 0-5V or 0-10V A 0-5V or 0-10V A		\P 50 B10 \P 100 B10 \P 200 B10 \P 400 B10		
R <sub>L</sub> V <sub>c</sub> I <sub>c</sub>	Load resistance Supply voltage Current Consump Limitation of voltag Dimitation of voltag Overloaded input of	tion le output (0-10V) le output (0-5V)		≥ 10	kΩ % V DC mA V V	
Acc	uracy-Dynamic	performance d	ata			
	Linearity (0 $\pm$ I <sub>PN</sub> ) Electrical offset vo Thermal drift of V <sub>o</sub>	e gain (% of reading 90% of <b>I</b> <sub>P</sub>		< ±1 < ±0.5 < ±0.5 ±1 ±0.1 < 150 30 20	% of I <sub>PN</sub> % of I <sub>PN</sub> % of I <sub>PN</sub> mV/K %/K m s 000 Hz	
Gei	neral data					
T <sub>A</sub> T <sub>S</sub> m dCp dCl CTI	Ambient operating Ambient storage to Mass Protection type Creepage distanc Clearance distanc Comparative track UL94 classificatio	emperature e e ing index (Group I)		-20 + -20 + 90 IP20 5.5 5.5 600 V0		
ไทรเ	ulation category					
V <sub>b</sub>	Rated Voltage with IEC 61010-1 - Single insula - Over voltage o - Pollution deg - None uniform	category CAT III ree PD2	wing conditions	300 :	V	
V V v v	R.m.s. voltage for R.m.s. voltage for Peak impulse with If insulated cable is	AC insulation test, & partial discharge ex stand voltage 1.2/5 s used for the prima with the following f	ttinction @ 10pC δ0μs ary circuit, the vo	6.1	kV kV kV egory	

<u>Notes</u> : Installation and maintenance should be done with power supply disconnected. The operator must have accrediation to install this material. The users must take care of all protection gurantee against electrical shock.

1000V CAT III



I<sub>PN</sub> = 10 .. 400 A

### Features

- RMS output
- Split core type
- 5V & 10V switch selectable voltage output
- DIN mounting & Panel mounting
- Eliminates insertion loss
- Switch selectable ranges

# Advantages

- Large aperture for cable up to Ø18mm
- High isolation between primary and secondary circuits
- · Easy to mount

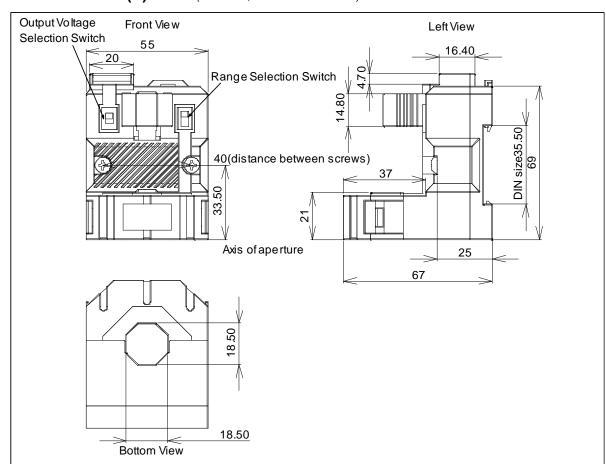
# Applications

- Automation systems
   Analog current reading for remote monitoring (e.g. motor) and software alarms.
- Panelmeters
   Simple connection displays power consumption.

**HAR 07** 







#### Dimensions AP(R)-B10 (unit : mm, 1mm = 0.0394 inch)

## **Mechanical characteristics**

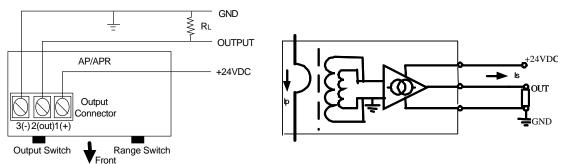
- General tolerance ±1 mm
- Primary aperture Ø 18.5 mm
- Panel mounting 2 holes Ø 4.0 mm
- Distance between holes 40.0 mm

For panel mounting, replace M4 screws by new one (not supplied) with appropriate length to panel's thickness.

#### Connections

 $\bullet$  Wires up to 2 mm  $\varnothing$ 

0-5, 10V Selectable



LEM reserves the right to carry out modifications on its transducers, in order to improve them, without previous notice.