AUTOMETERS SYSTEMS

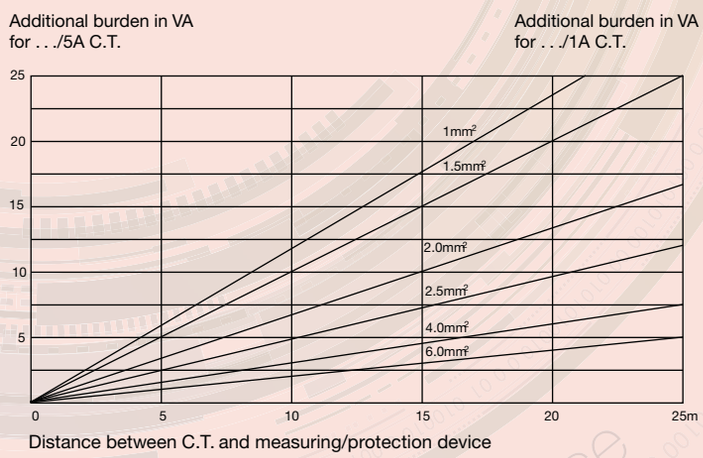
General Specification

Applicable standard	IEC/EN 60044-1, BS3938, IS2705-1
Case	10% glass filled polycarbonate, flame retardant grades classified UL94V-0.
Connection	Two connection on each side. M4 screws with self lifting clamp strap assembly for RishXmer series and connection on each side M4 screws with self lifting clamp strap for Rish CT series.
Insulation class	E (120°C max)
System voltage	720V maximum
Test voltage	For Ring (Window) type CT: 4KV 50Hz for 1 min (except for 50/30 CT type and 50/50 CT type where test voltage is 3KV 50HZ for 1 min). For Wound type CT: 3KV 50Hz for 1 min
Operating frequency	50Hz
Rated primary rating	1A to 7500A
Rated secondary output	5A standard (1A on request)
Rated burden	1, 1.25, 1.5, 2.5, 3.75, 5, 7.5, 10, 12.5, 15, 20, 30, 45, 60, 100 VA
Class of accuracy	0.2, 0.2S for laboratory and power measurement 0.5, 0.5S for accurate measuring, kWh 1 for general measurement 3 for indicating instruments
Ambient temperature	-20°C . . . +45°C
Storage temperature	-50°C . . . +80°C
Thermal short circuit current (Ith)	40xIn for wound type CT and 60xIn for BusBar type CT.
Dynamic short circuit current (Idyn)	2.5xIth
Instrument security factor (FS)	2.5, 5, 10

Burden Chart for Cable Connections

The chart below gives the approximate additional burden of connection cables for current transformer secondary wiring.

The burden VA takes care of the entire cable run, i.e. from the CT to the device and back to the CT.



Applications

Autometers' current transformers are intended to measure current in the range of 50 to 4000 amps. Their accuracy allows operation within the range of 5% to 120% of their rated primary current; this accuracy is dependent on the load connected to the secondary terminals of the current transformer. The load, which includes both the impedance of the connected measuring instrument and the connecting cables, is expressed in VA (VoltAmps) where "A" is the rated secondary output current and "V" is the voltage required for this current to flow.

ISO 9002 SGS Cert No. 92/1276

Important

The attention of the specifer, purchaser, installer or user is drawn to special measures and limitations to use, which must be observed when these products are taken into service to maintain compliance with the CE directives. Details of these special measures and limitations of use are available from HMSO
REF: IEC 1000-5-1(BS195/210788DC) IEC 1000-5-2 (BS 195/214642DC)
IEC 10000-5-6 (BS 195/210789DC)

AUTOMETERS SYSTEMS
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sales@autometers.co.uk
www.autometers.co.uk

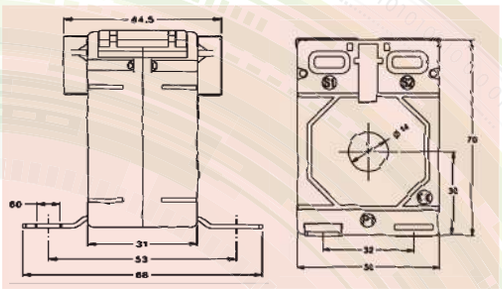
AUTOMETERS SYSTEMS

AR Moulded Case Current Transformers

Metering Grade

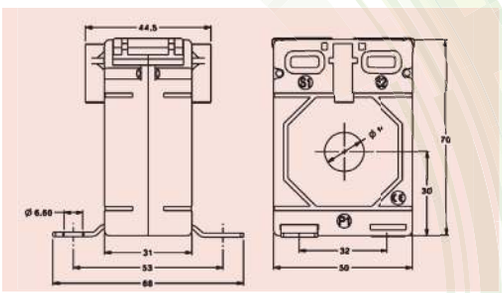
AR-0.5

CODE	RATIO	CLASS	VA	BASBAR
AR-50-1	50/5A	0,5	1,5	
AR-75-1	75/5A	0,5	2,5	



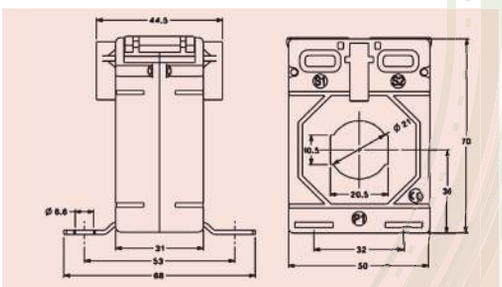
AR-1

CODE	RATIO	CLASS	VA	BASBAR
AR-100-1	100/5A	0,5	2,5	
AR-125-1	125/5A	0,5	2,5	



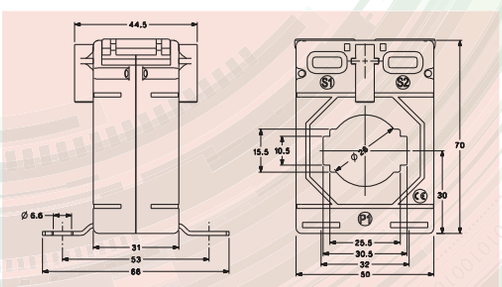
AR-2

CODE	RATIO	CLASS	VA	BASBAR
AR-100-2	100/5A	1	2,5	20,5x10,5
AR-125-2	125/5A	1	2,5	20,5x10,5



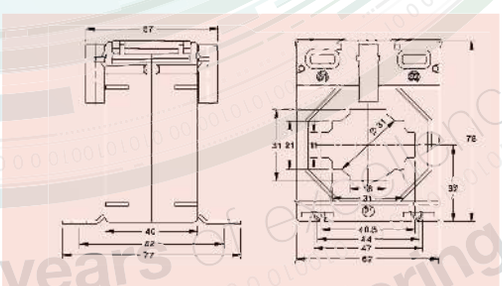
AR-3

CODE	RATIO	CLASS	VA	BASBAR
AR-150-3	150/5A	0,5	3,5	30.5x10.5
AR-200-3	200/5A	0,5	5	30.5x10.5
AR-250-3	250/5A	0,5	5	30.5x10.5
AR-300-3	300/5A	0,5	5	30.5x10.5
AR-400-3	400/5A	0,5	5	30.5x10.5
AR-500-3	500/5A	0,5	10	30.5x10.5
AR-600-3	600/5A	0,5	15	30.5x10.5



AR-4

CODE	RATIO	CLASS	VA	BASBAR
AR-300-4	300/5A	0,5	5	40.5x11
AR-400-4	400/5A	0,5	5	40.5x11
AR-500-4	550/5A	0,5	5	40.5x11
AR-600-4	600/5A	0,5	5	40.5x11
AR-750-4	750/5A	0,5	10	40.5x11
AR-800-4	800/5A	0,5	10	40.5x11



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