

AUTOMETERS

SYSTEMS

ASR Split Core Current Transformer

The ASR range of split core current transformers have been specifically designed by Autometers Systems Ltd to be small and easy to open and yet maintain the accuracy required for kwh meters, the quick release button makes this current transformer the easiest and quickest to fit around cables.

The benefit of a split core current transformer is that it can be placed into position easily and without disturbing or disconnecting the main cables it is monitoring. The ASR range of current transformers has two red insulated terminal covers for connecting the S1 and S2 cables which lock down over the terminal screws fully insulating the connections. This makes it ideal to use Autometers cable harnesses which are colour coded and individually numbered on each conductor ensuring simple and easy connection from the current transformer to the electricity meter.

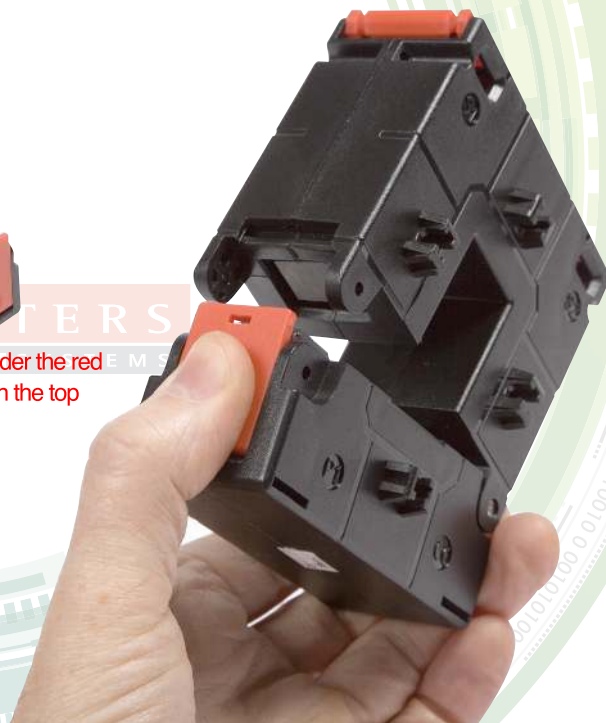
Before fitting any current transformers the circuit must be totally isolated. Under no circumstances should you try and install current transformers to a live circuit.



Split core shown above in closed position.



S1 and S2 terminals are under the red terminal covers mounted on the top



By pressing the red button, the split core will open as shown above.

Technical Specification

- Applicable standard: (IEC/EN 60044-1), BS 3938, IS 2705-01
- Rated secondary output: .../5A (standard)
- Case: 10% glass filled polycarbonate, flame retardant grades classified UL 94 V-0
- Class of accuracy: 0.5 and 1
- Connection: two screw connections on each class: E (120°C max.)
- System voltage: 720 VAC maximum
- Test voltage: 4kV, 50 Hz for 1 min.
- Operating frequency: 50-60 Hz
- Primary rating current from 40/5 to 1000/5 A
- Ambient Temperature: -20°C... +55°C
- Storage temperature: -50°C... +80°C
- Thermal short circuit current (I_{th}): 40 x I_n
- Dynamic short circuit (I_{dyn}): 2.5 x I_n
- Standard accessories

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over 50 years of excellence
and innovation in metering systems

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Technical Information and Dimensions

ASR-1

Type	Primary Current (A)	VA	Acc. Class	Inside Diameter (mm)	A	B	C	D	E	F	G	H	I	J
ASR-100-1*	100/5 A	1.5	1	33x23	23	106	33	75	93	50	45	40	65	80
ASR-150-1*	150/5 A	1.75	1	33x23	23	106	33	75	93	50	45	40	65	80
ASR-200-1*	200/5 A	2.5	1	33x23	23	106	33	75	93	50	45	40	65	80
ASR-250-1*	250/5 A	3.75	1	33x23	23	106	33	75	93	50	45	40	65	80
ASR-300-1*	300/5 A	5	1	33x23	23	106	33	75	93	50	45	40	65	80
ASR-400-1	400/5 A	3.75	0,5	33x23	23	106	33	75	93	50	45	40	65	80

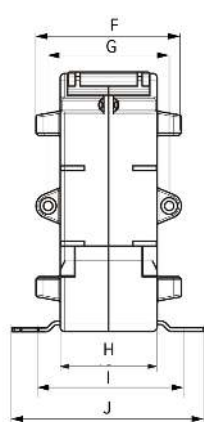
ASR-2

ASR-400-2*	400/5 A	3.75	1	80x50	50	158	80	106	125	60	50	40	65	80
ASR-500-2	500/5 A	3.75	0,5	80x50	50	158	80	106	125	60	50	40	65	80
ASR-600-2	600/5 A	5	0,5	80x50	50	158	80	106	125	60	50	40	65	80
ASR-700-2	700/5 A	7.5	0,5	80x50	50	158	80	106	125	60	50	40	65	80
ASR-800-2	800/5 A	7.5	0,5	80x50	50	158	80	106	125	60	50	40	65	80

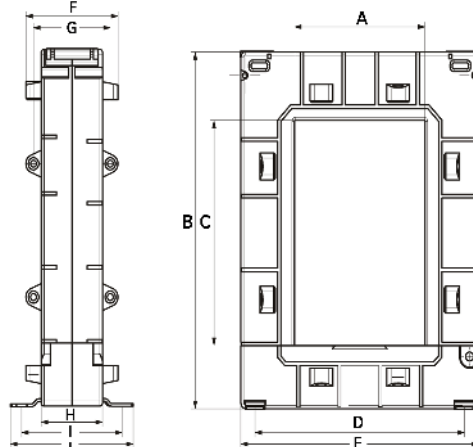
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ASR-1000-3	1000/5 A	10	0,5	120x80	80	198	120	136	155	60	50	40	65	80
ASR-1500-3	1500/5 A	20	0,5	120x80	80	198	120	136	155	60	50	40	65	80
ASR-2000-3	2000/5 A	20	0,5	120x80	80	198	120	136	155	60	50	40	65	80

ASR-1



ASR-2



Cable harnesses of various lengths - to connect current transformers to electricity meters - are available as an optional extra.

* Products marked with an asterisk (*) are usually available from stock.