

Miniature Current Transformers

770 Series Tape Wound

Performance

Models 771, 772

Primary ratings:	1A-100A
Secondary Outputs:	10mA standard other outputs are available on request
VA output:	0.03VA (3V at 10mA)

Model 773 Multi-range

Primary current range:	10A-100A
Secondary output:	10mA - 100mA
VA output:	0.015VA - 0.15VA

All Models

System frequencies:	50/60Hz, 400Hz
Service temperature:	0°C - 80°C
Insulation class BS2757:	Class Y (max 90°C)
Operating Voltage:	720V A.C. max
Test Voltage:	2kV D.C.
Accuracy class at standard VA Load:	
80-120% Rated Primary Current:	1.0 maximum
20-80% Rated Primary Current:	1.5 maximum
Flexible Lead Length:	150mm

Alternative specifications to meet customers' special requirements can usually be accommodated.

Features

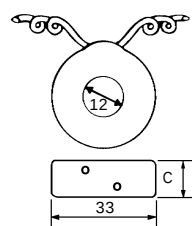
- » Slips over mains cables
- » Plain ring cable tie or foot mounted
- » Size permits p.c.b. mounting
- » Secondary output 10mA
- » Primary rating 1A-100A
- » Multi-range version 10A-100A

Applications

- » Galvanic isolation
- » Converts high currents to low level electronic signals
- » Operates electronic relays, moving coil meters, recorders and digital indicators

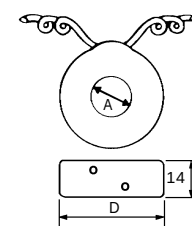
771-940 Ring Type

Primary Current	Dimension C	Secondary Output
10A	15	10mA
15A	14	10mA
20A	14	10mA
25A	14	10mA
30A	14	10mA



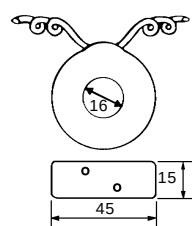
772-940 Ring Type

Secondary Output	Primary Current	Dimensions A	D
10mA	40A	25	43
10mA	50A	25	43
10mA	60A	25	43
10mA	75A	25	43
10mA	100A	24	44



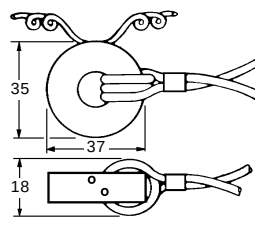
773-940 Ring Type - Multi range

Primary Current	Secondary Output	VA Output
10A	10mA	0.015
100A	100mA	0.15

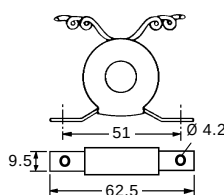
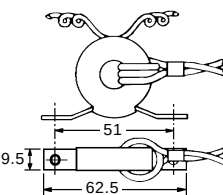


771-945 Wound Primary Type

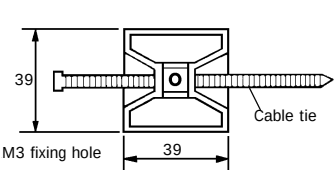
Primary Current	Secondary Output
1	10mA
1.5	10mA
2	10mA
3	10mA
5	10mA
7.5	10mA



Foot Mounting Option

Models 771, 772 & 773-942	Model 771-949 (Wound Primary)
	

Cable Tie (with or without self adhesive mount)

Code number becomes XXX-946

Note - Dimensions are in millimeters

Miniature Current Transformers

770 Series Moulded Case

Performance

Model 772-943

Primary ratings:	40A-100A
Secondary Outputs:	10mA standard other outputs are available on request
VA output:	0.03VA (3V at 10mA)

Model 773-943 Multi-range

Primary current range:	10A-100A
Secondary output:	10mA - 100mA
VA output:	0.015VA - 0.15VA

Model 775-943

Accuracy Class:	IEC 60044-1:1999
Test Voltage:	3kV for 1 minute
Secondary:	1 or 5A

All Models

System frequencies:	50/60Hz (400Hz on request)
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Service temperature:	-20°C - 85°C
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Insulation class BS2757, IEC85:	Class E (max 120°C)
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Operating Voltage:	720V A.C. max
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Test Voltage:	2kV D.C.
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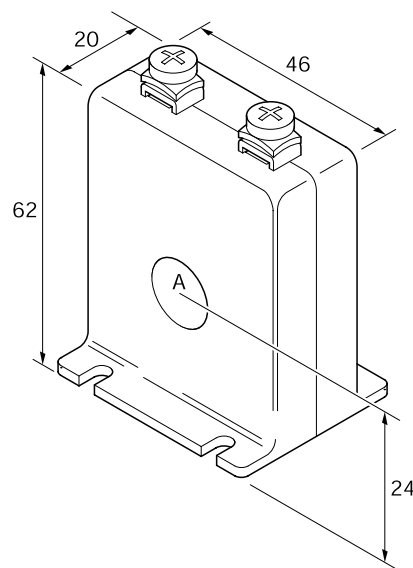
Accuracy class at standard VA Load:

80-120% Rated Primary Current	1.0 maximum
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20-80% Rated Primary Current	1.5 maximum
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Alternative specifications to meet customers' special requirements can usually be accommodated.

Dimensions (mm's)



771-943 A = 12.8mm

772-943 A = 20.5mm

773-943 A = 16mm

775-943 A = 12.8mm

771-946 Primary winding added to outside of case

Fixing centres 30 x 30mm
M3.5 terminal screw and clamp

Specification

771-943

Primary Current	Secondary Output
10A	10mA
↓	↓
30A	30mA

772-943

Primary Current	Secondary Output	VA Output
40A	10mA	0.03
50A	10mA	0.03
60A	10mA	0.03
75A	10mA	0.03
100A	10mA	0.03

773-943

Primary Current	Secondary Output	VA Output
10A	10mA	0.015
↓	↓	↓
100A	100mA	0.15

775-943

Primary Current	Two primary turns will give primary currents	Secondary Output	VA at Class 3
60A	30	10mA	1.25
75A	37.5	10mA	1.25
80A	40	10mA	1.25
100A	50	10mA	2.50
120A	60	10mA	2.50

Features

- » Slips over mains cables
- » Foot mounted
- » Tough flame retardant moulded case (UL94V0)

Applications

- » Galvanic isolation
- » Converts high currents to low level electronic signals
- » Operates electronic relays, moving coil meters, recorders and digital indicators