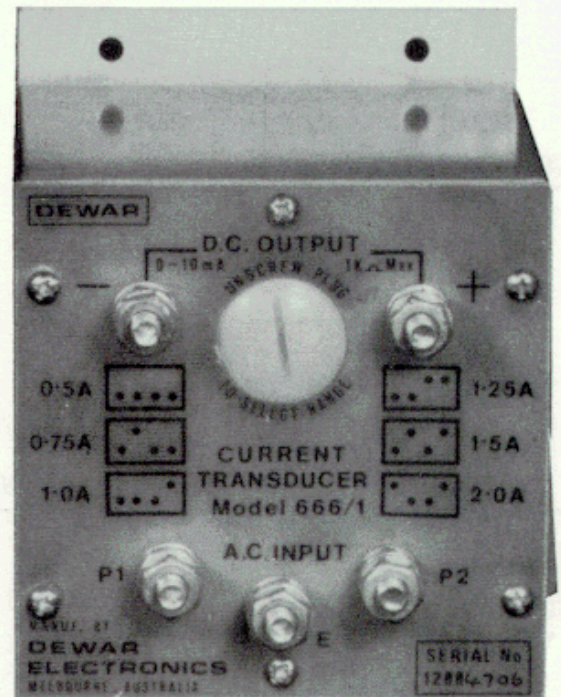




CURRENT TRANSDUCERS MODEL 666

- Six switch selectable current ranges
- Class 1.0 accuracy
- Fast response
- Excellent isolation
- Dustproof enclosure
- High overload capability
- Designed to SECV specifications
- Complies with, or exceeds, requirements of AS1384-1973



GENERAL DESCRIPTION.

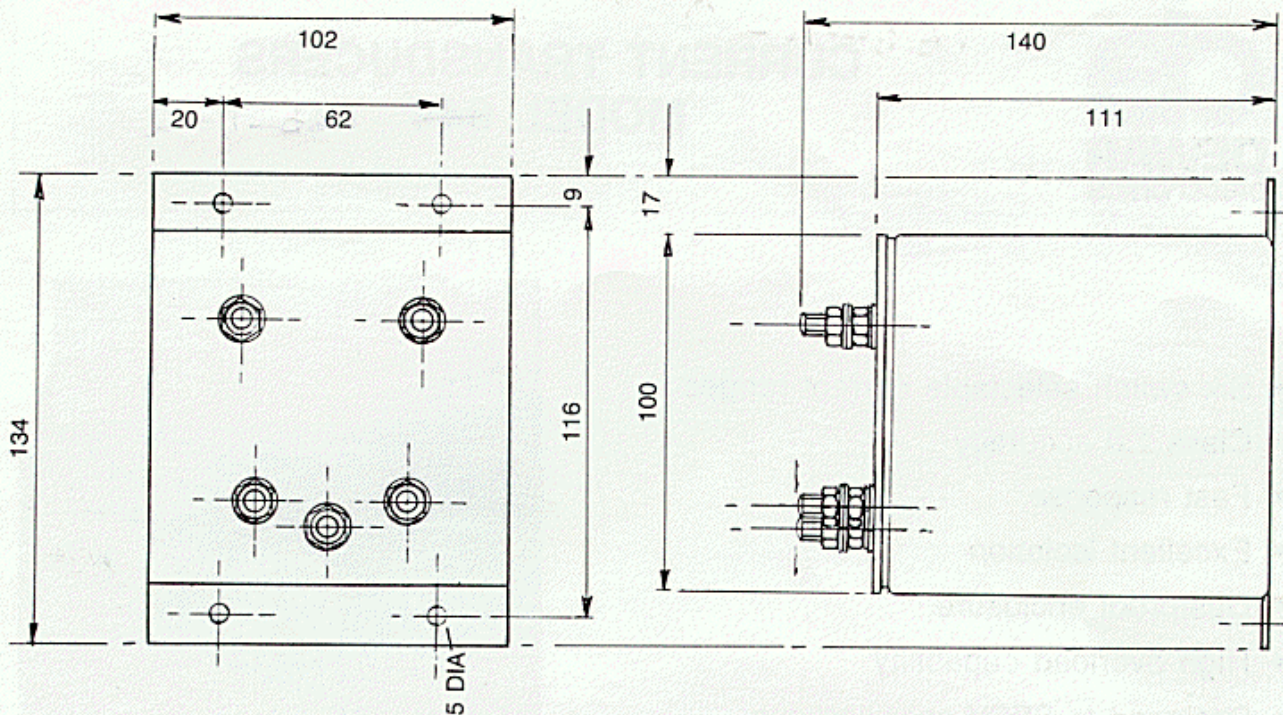
The Model 666 is a device for converting AC current into a low level DC current signal. By inclusion in AC metering circuits, usually derived from current transformers, high AC currents can be transmitted as low level DC signals permitting long cable runs and low cost indicating meters or recorders. The burden on the AC circuit is reduced and AC coupling problems are eliminated.

The DC output is isolated from the input providing a high degree of safety. The output is short and open circuit proof and calibration is unaffected by line resistance changes. Current range can be set by simple means of slide switches using simple tools.

OTHER TRANSDUCERS.

Dewar Electronics manufacture a range of electrical measurement transducers including voltage, frequency and power transducers.





DIMENSIONS — MODEL 666 CURRENT TRANSDUCER

SPECIFICATIONS

AC Input Range:	Model 666-1 0.5, 0.75, 1.0, 1.25, 1.5, 2.0A Model 666-2 2.5, 3.75, 5.0, 6.25, 6.67, 7.5A Other ranges on special order.
Output Current:	10mA for rated AC input.
Load Resistance:	0-1000 Ω
Accuracy:	1.0% from 1% to 125% of range.
Overload Capacity:	50 times for one second, five times indefinitely.
Ripple:	Less than 10 μ A p-p.
Response Time:	200ms to 98% point for 80% step change.
Burden:	0.1 to 0.8 VA, depending on range.
Temperature Range:	-10 $^{\circ}$ C to 50 $^{\circ}$ C.
Impulse Withstand:	Input 5KV. Output 3KV.
Case Size:	134mm x 102mm x 130mm high.
Terminals:	Stud.

While we believe these specifications to be accurate at time of printing, Dewar Electronics reserves the right to change specifications without notice. No undertaking is made or implied that the described products are suitable for any particular application.



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