

Current Transformers

CURRENT TRANSFORMERS

MODEL S 117

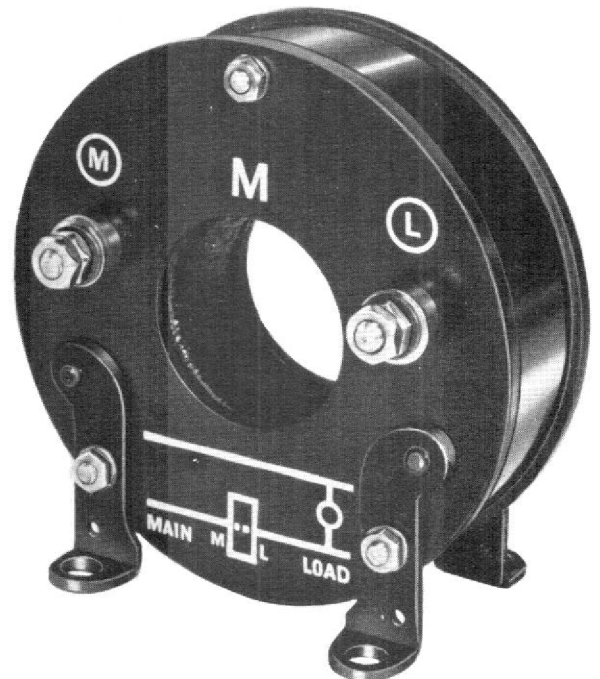
The Model S117 transformer is an inserted primary type with a secondary toroidal winding over a spirally wound ring core. The primary winding is the busbar of the aircraft a.c. circuit.

The transformer, which is completely insulated, is fitted with mounts to facilitate rigid fixing. Two No.2BA terminals are fitted for connection to the indicator.

Operating Frequency	400 c.p.s.
Secondary Burden... ..	2 VA
Ratio Error	45/50A: $\pm 2\%$
	100A and over: $\pm 1\%$
Weight	20 oz (567g)
Fixing diagram	FD.667

CURRENT RATIOS

SPECIFICATION	RATIO (Primary/Secondary Amperes)
S117.1.110	45 : 1
S117.1.105	50 : 1
S117.1.22	100 : 1
S117.1.12	120 : 1
S117.1.13	150 : 1
S117.1.115	180 : 1
S117.1.35	200 : 1
S117.1.20	250 : 1
S117.1.63	300 : 1
S117.1.16	400 : 1



Model S 117 Form 1



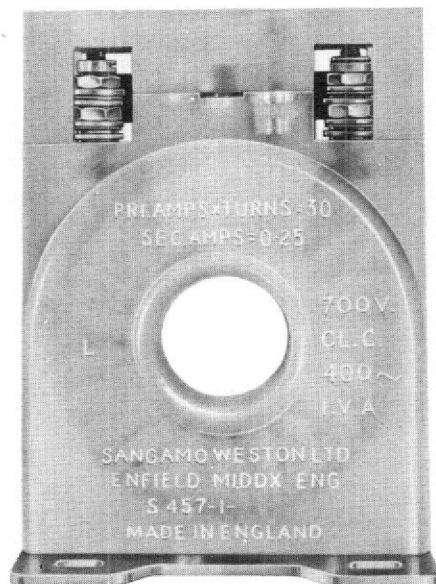
MODEL S 457

This type of transformer is an inserted primary transformer which is entirely encapsulated in polythene.

Due to its size, this transformer is limited to the current ratio stated below.

Connection to the secondary winding is made by 2 x No.4BA studs with locknuts.

Operating Frequency	...	...	...	400 c.p.s.
Secondary Burden...	...	...	...	1 VA
Ratio	...	...	...	30: 0.25 A
Ratio Error	...	...	...	$\pm 1\%$
Specification No.	...	...	...	S457.1.11
Weight	...	...	...	11.25 oz (319g) approx.
Fixing diagram	...	...	...	FD.1158



Model S 457 Form 1

This file was downloaded
from the RTFM Library.

Link: www.scottbouch.com/rtfm

Please see site for usage terms,
and more aircraft documents.

