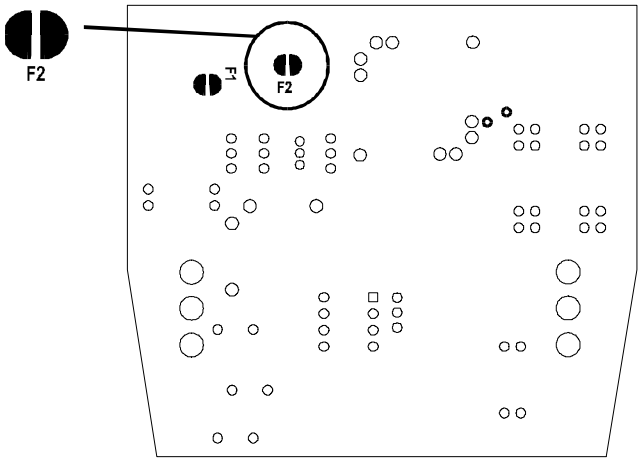
Isotec-3 Range-Selection

Definition:

Iz = Input current in milli-Amps at Low-end of range.
Is = Input current in milli-Amps at High-end of range.
Voz = Output voltage in Volts at Low-end of range.
Vos = Output voltage in Volts at High-end of range.

For Vos<5 Volts set F2 = Short
For Vos>5 Volts set F2 = Open
F2 = flash pad located on print-side should be soldered or desoldered respectively (See figure A).

FIGURE A:
(Print side)



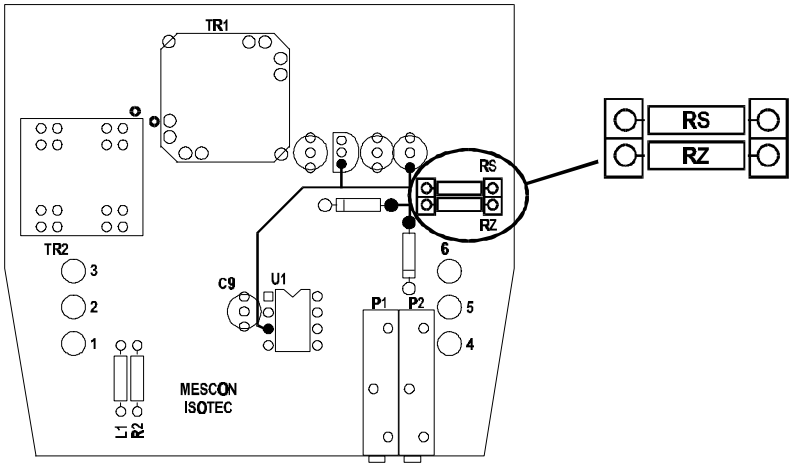
Calculate:

$$Rz\ (k\Omega) = 1000\ Rs/(5Iz - RsVoz)$$

$$Rs\ (k\Omega) = 5(Is - Iz)/(Vos - Voz)$$

In case calculations result Rz = ∞ use Rz = 2MΩ.
Insert Rz, Rs in the plug-in sockets shown in figure B.

FIGURE B:
(Component side)



The unit should be calibrated by Zero/Span potentiometer adjustment.

REV	DESCRIPTION	MEMO

MESCON TECHNOLOGIES, LTD.

DRAWN: SURPIN MARINA		DATA: 03.01.99
CHECKED:		
APPROVED: BOLURIAN ITZIK		DATA: 03.01.99
TITLE:		
DRAWING STATUS __PRELIMINARY __ENGINEERING __PRODUCTION	DRAWING NUMBER SHEET OF SHEETS	REV