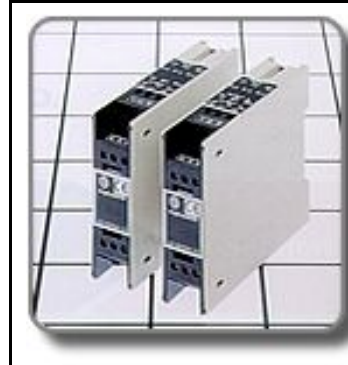


BM710 - Single output stabilised instrument power supply

BM720 - Dual output stabilised instrument power supply

Function: Stabilised variable transducer power supplies with either one or two isolated outputs. Each output can be user adjusted by means of a potentiometer located in the fascia of the instrument. The range of variation is between 5 Volt DC and 24 Volt DC.



SPECIFICATIONS

OUTPUTS:

DC Voltage

BM710
1 x 5 to 24 Volt DC
potentiometer variable

BM720
2 x 5 to 24 Volt DC
potentiometer variable

Load Regulation

0.2% maximum (zero to full load)

Line Regulation

Typical 0.05% change in output for an input change of 10 to 30V

Power Supply

10 to 30 Volt DC
with inverter to maintain output to power supply isolation

Power Required

2.5 Watts Maximum

Pilot Light

Red LED indicates Power ON

Temperature Coefficient

$\pm 0.1\%$ of output / $\Delta 10^\circ\text{C}$

Operating Temperature Range

0 to $+45^\circ\text{C}$

Storage Temperature Range

-20 to $+60^\circ\text{C}$

Operating Humidity Range

0 to 95% RH non-condensing

Storage Humidity Range

0 to 95% RH non-condensing

DC Current

BM710
Maximum current 50mA

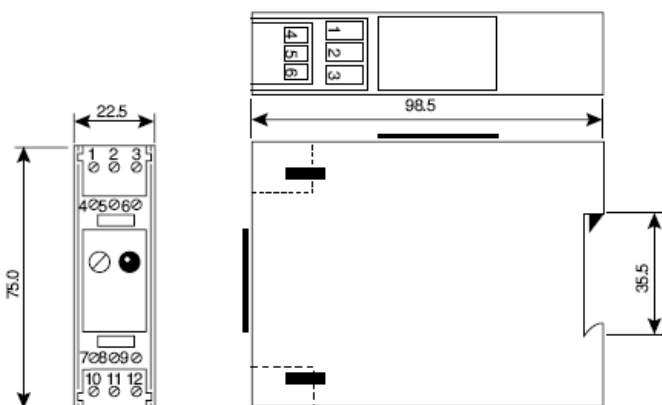
BM720
Maximum current per output
25mA

Weight

BM710 88 gms

BM720 92 gms

MECHANICAL DETAILS (Schematic shows BM710)



TERMINATION DETAILS

- 1 – Power Supply -ve
- 2 – Power Supply +ve
- 3 – EMC Screen
- 4 – Unused
- 5 – Unused
- 6 – Unused

- 7 – Output 1 -ve BM710 &
- 8 – Output 1 +ve BM720
- 9 – EMC Screen
- 10 – Output 2 -ve BM720 only
- 11 – Output 2 +ve BM720 only
- 12 – EMC Screen

ORDERING DETAILS

a) Specify identification code i.e BM720

b) Specify if you require the output factory set to a specific voltage, i.e. 2 x 10V DC