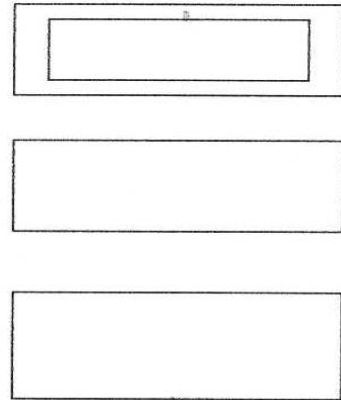


JAYCAR QP-5570 LCD Panel Meter.

Specifications:

Supply	5 volt DC
Supply Mode	Independent, or, Common (see notes*)
Digits	3-1/2 (1999) 12.7mm figure height
Decimal point:	user selectable, (connect to v+)
Over range	display "1"
Input independent	200mv
Input common	20v (see notes *)
Configuration	differential input and ref.
Bias	10pA maximum
Impedance, independent	10Mohm
Impedance, common	50Kohm (refer to range resistors)
Accuracy	+-(0.1% reading) +1 digit
Conversion	2.5 per second
Com mode voltage	+/- 1 volt max
Com mode rejection	> 86 db
Storage temp	-20 to +70 deg C
Operating temp	0 to + 50 deg C
Nominal operating current	0.8 mA (all lit)

Dimensions:



*Notes:

Add on range board QP-5575 can only be used for 20volt, 200 volt and 500 volt range, AND independent supply only.

Add on range board QP-5575 CANNOT be used for Common mode supply.

Common mode supply requires a separate resistor matrix (see figs 2 and 3) or an alternative connection (see fig 4).

A 200mv range is not achievable with Common mode connection and single side power supply but may be achieved with a split rail power supply (see fig 4).

Pin connections: (pin 1/ is bottom left hand pin, when looking at pin side.)

1/	V+	(power supply)
2/	V-	(power supply)
3/	NC	(do not use)
4/	NC	(do not use)
5/	COM	(common)
6/	INLO	(input low)
7/	INH1	(input high)
8/	RFL	(see circuits)
9/	RFH	(see circuits)
10/	ROH	(see circuits)
11/	D1	(decimal point one)
12/	D2	(decimal point two)
13/	D3	(decimal point three)

Figure 1 Basic connection independent power supply 200mv input.

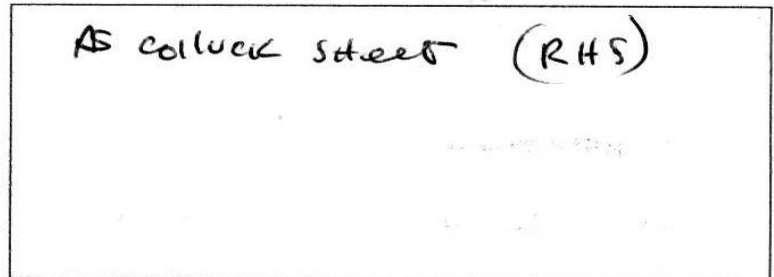


Figure 3 Common connection 20 volt input and above with resistor matrix

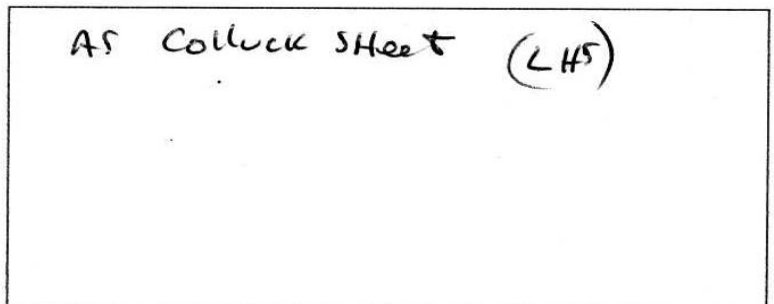


figure 2 resistor value for Common Connection.

Range	RA	RB	RC	RD	RE
20V	10M	101K	10M	101K	50K
200V	10M	10K	10M	10K	50K
500V	10M	1K	10M	1K	100K

Ratio of resistors to give less than 20V range not Recommended.