

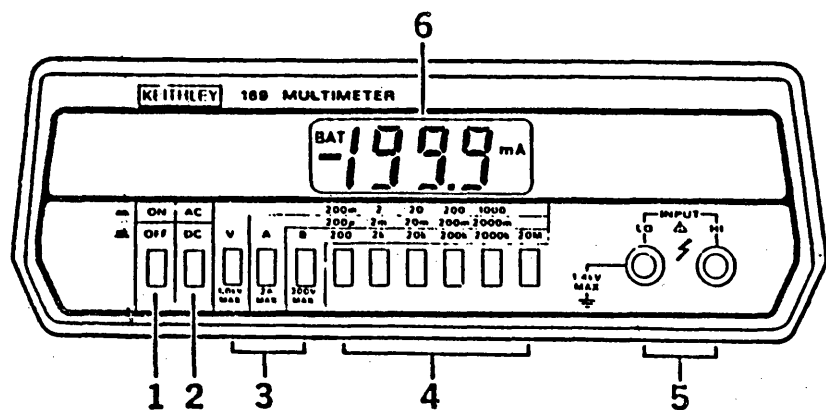


Figure 1A - The Digital Multimeter

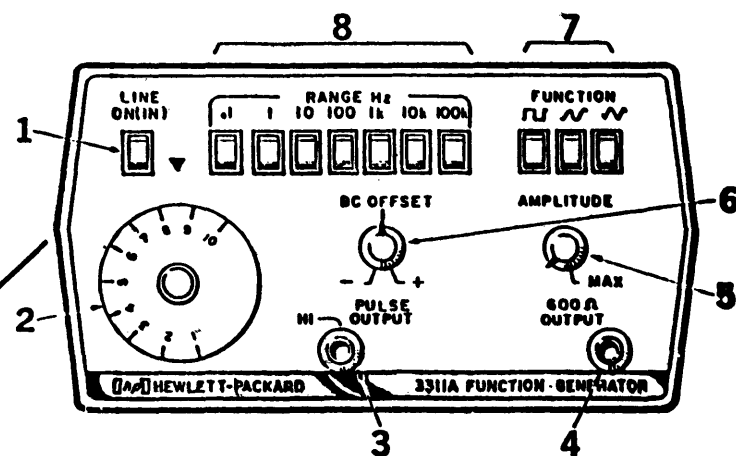


Figure 1B - The Signal Generator

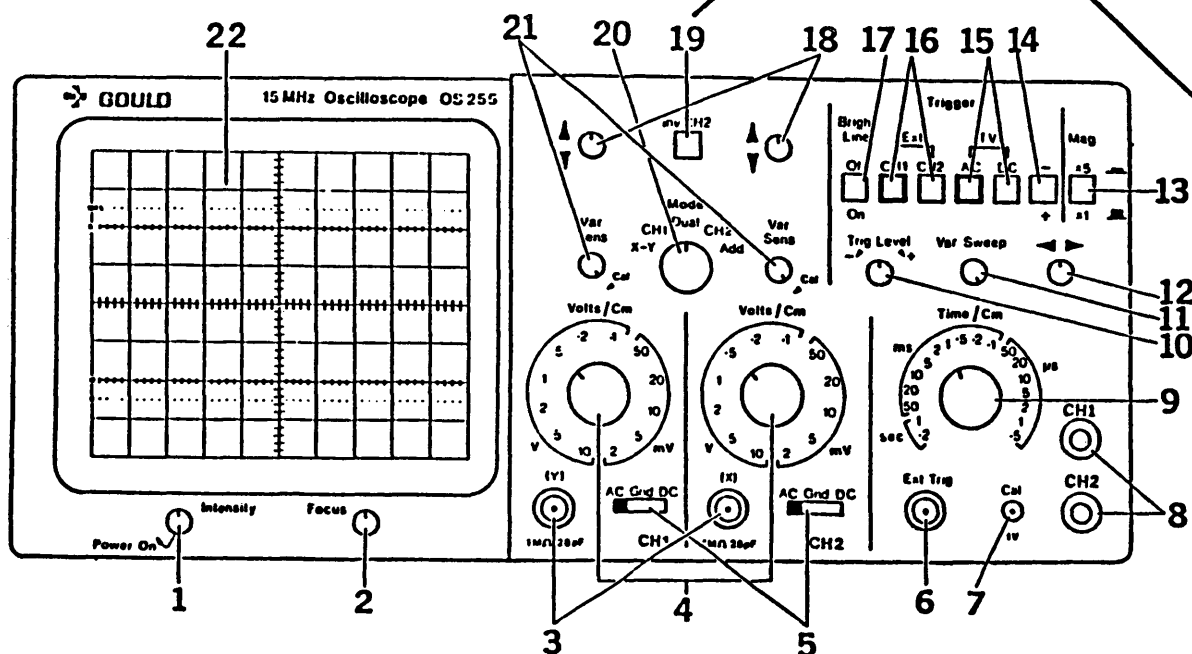


Figure 1C - The Oscilloscope

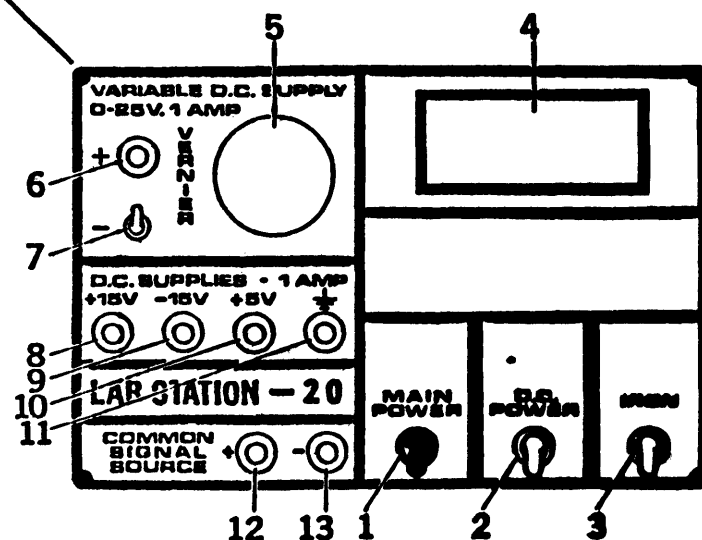


Figure 1D - The Front Panel

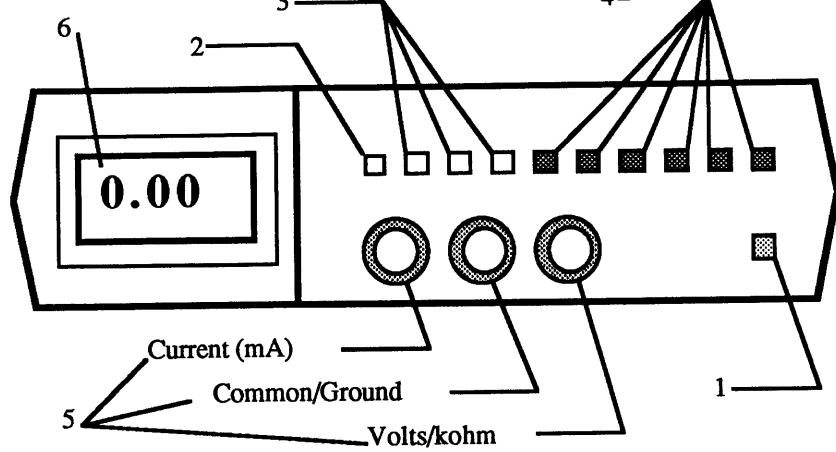


Figure 1A - The Digital Multimeter

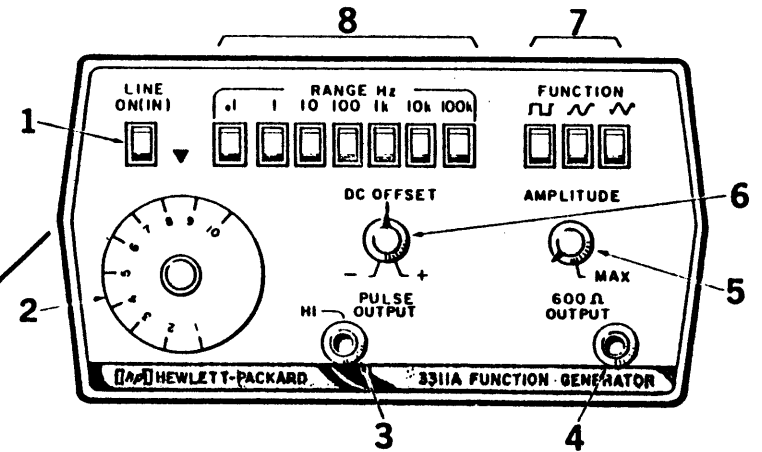


Figure 1B - The Signal Generator

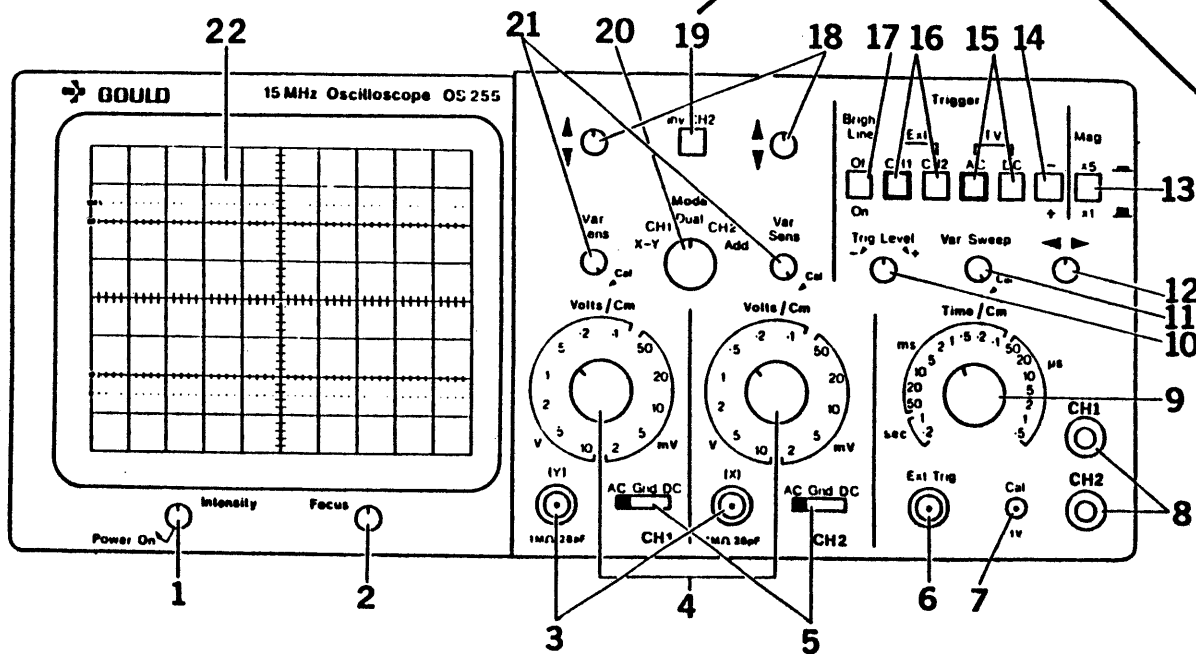


Figure 1C - The Oscilloscope

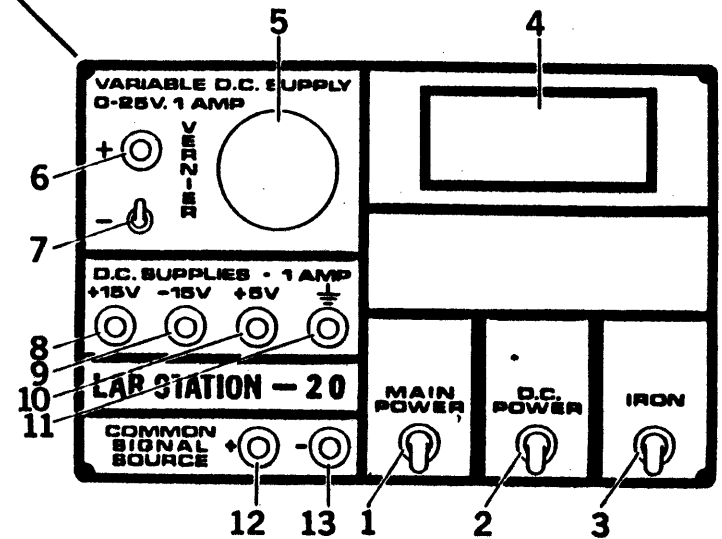
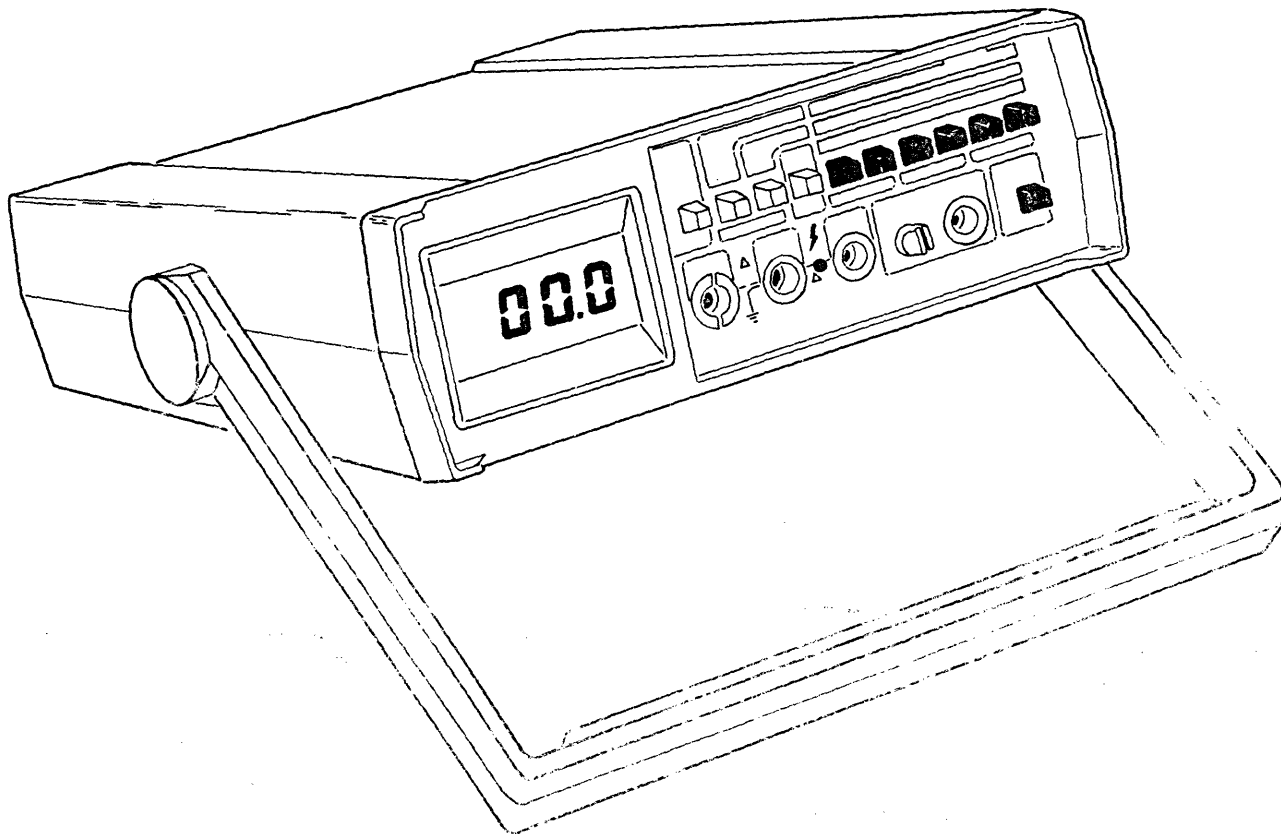
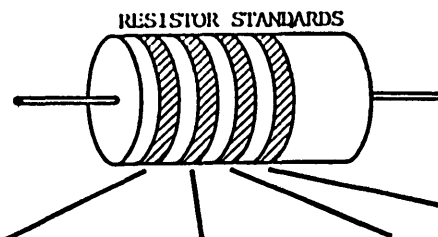


Figure 1D - The Front Panel



8010A/8012A Digital Multimeter



COLOR	FIRST BAND	SECOND BAND	THIRD BAND	FOURTH BAND
	(VALUE	+ VALUE)	X MULTIPLIER	± TOLERANCE
NONE				20%
SILVER			0.01	10%
GOLD			0.1	5%
BLACK		0	1	
BROWN	10	1	10	
RED	20	2	100	
ORANGE	30	3	1,000	
YELLOW	40	4	10,000	
GREEN	50	5	100,000	
BLUE	60	6	1,000,000	
VIOLET	70	7		
GRAY	80	8		
WHITE	90	9		

STANDARD 10% VALUES	STANDARD 5% VALUES
10	10
12	11
15	12
18	13
22	15
27	16
33	18
39	20
47	22
56	24
68	27
82	30
	33
	36
	39
	43
	47
	51
	56
	62
	68
	75
	82
	91

RESISTORS ARE AVAILABLE IN
THE STANDARD VALUES LISTED
FROM 1.0Ω to 22MΩ.

POWER RATING	
1/8 WATT	
1/4 WATT	
1/2 WATT	
1 WATT	
2 WATT	

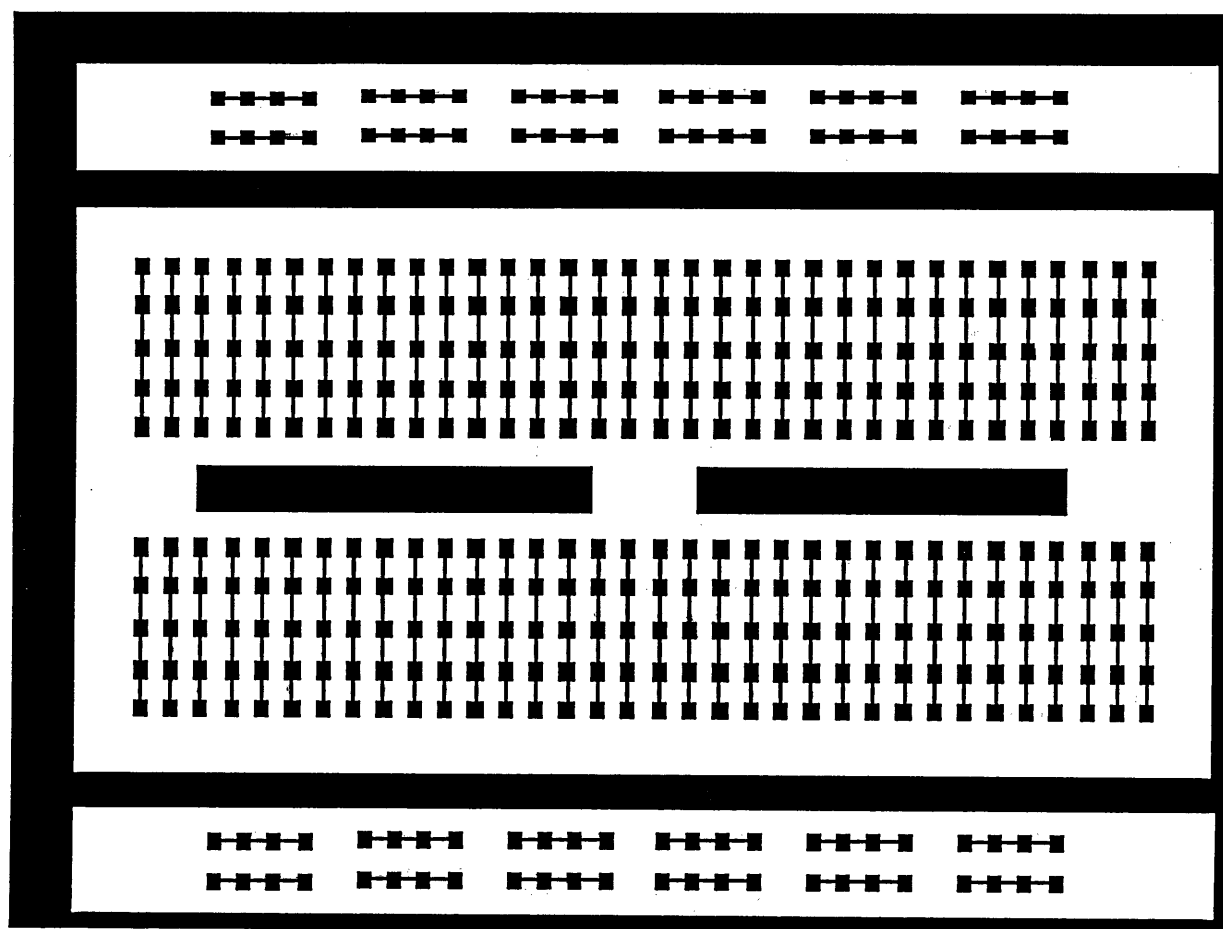
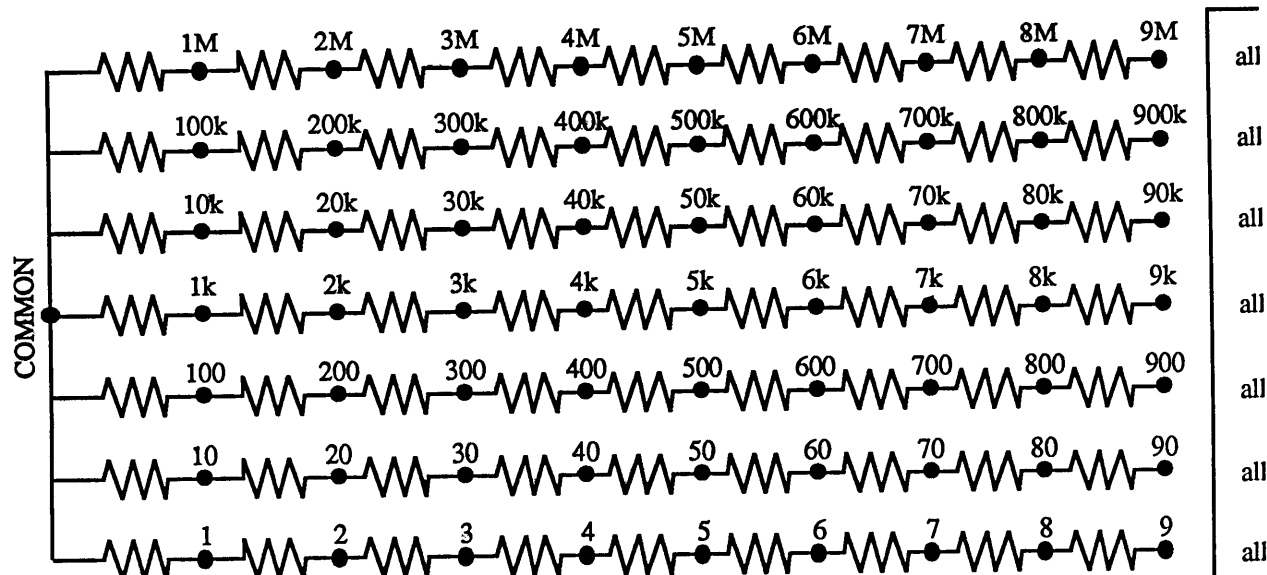
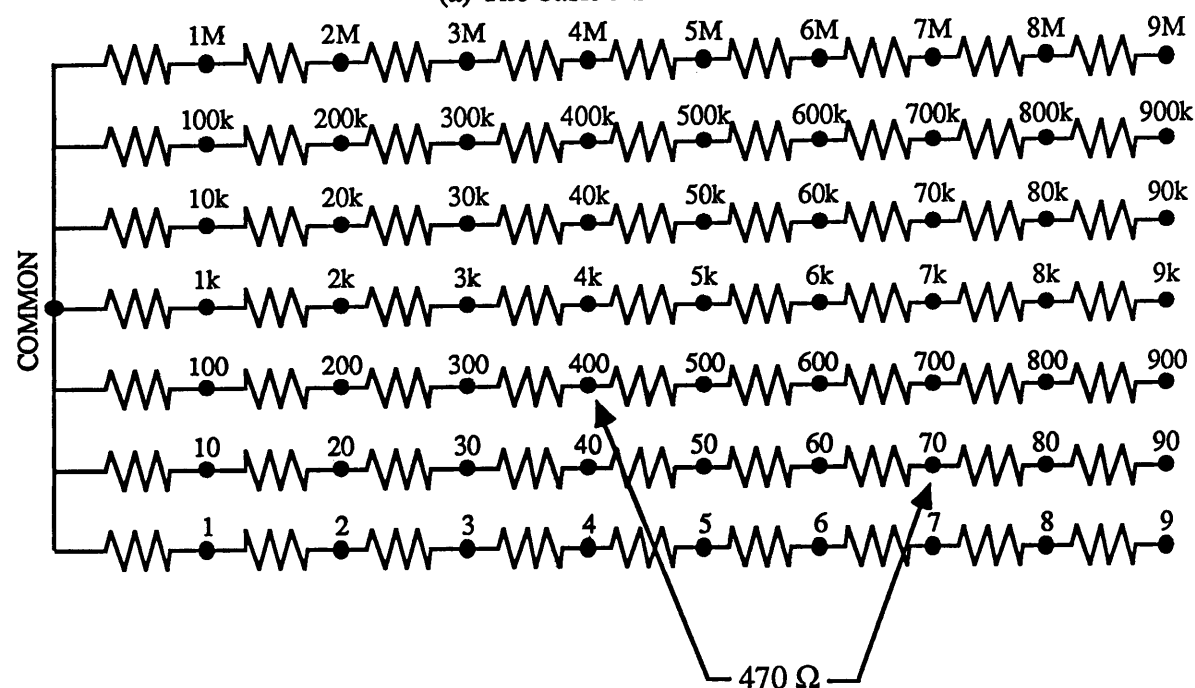


Figure 1.2 - Solderless breadboard



(a) The basic RSB



(b) Connections to achieve 470 ohm resistance

Figure 1.3 - Resistance Substitution Board