

## Using the Weston 650

As we don't have a copy of the instruction manual, try these simple instructions. Firstly you need to convert your modern film speed to the Weston scale.

<u>DIN</u>	<u>ASA</u>	<u>General Electric</u>	<u>Weston</u>		
10°	6	8	5		
11°	?	?	?		
12°	10	12	8		
13°	?	?	?		
14°	16	20	12		
15°	?	?	?		
16°	?	?	?		
17°	32	40	24		
18°	40	48	32		
19°	50	64	40		
20°	64	80	50		
21°	80	100	64		
22°	100	125	80		
23°	125	150	100		
24°	160	200	125		
25°	?	?	?		
26°	250	300	200		
27°	320	400	250		

Now set the film speed in Weston by moving the outermost lever or tab on the dial. The speed on the dial ranges from 1 to 64 – the equivalent of 100 ISO only! If your film is faster, decrease the exposure you give thus:-

200 ISO give half the exposure time or the next smaller aperture  
400 ISO give  $\frac{1}{4}$  the exposure time or two apertures smaller

Now, point the meter at the subject and read off the number the needle points to – the scale runs from 0 to 1000. Transfer it to the dial using the inner black disk so that the arrow points to that number.

Now read off the shutter / aperture combination you want from the other side of the dial. Apertures range from f1.5 to f32 and speeds from 100 seconds to 1/1200.

The C,A,U and O respectively can be used to show double the exposure, half the exposure, almost clear film and almost completely black film (using old films – modern films have a greater range).

If the dial does not zero when the cell is covered, use the screw on the front to adjust it.