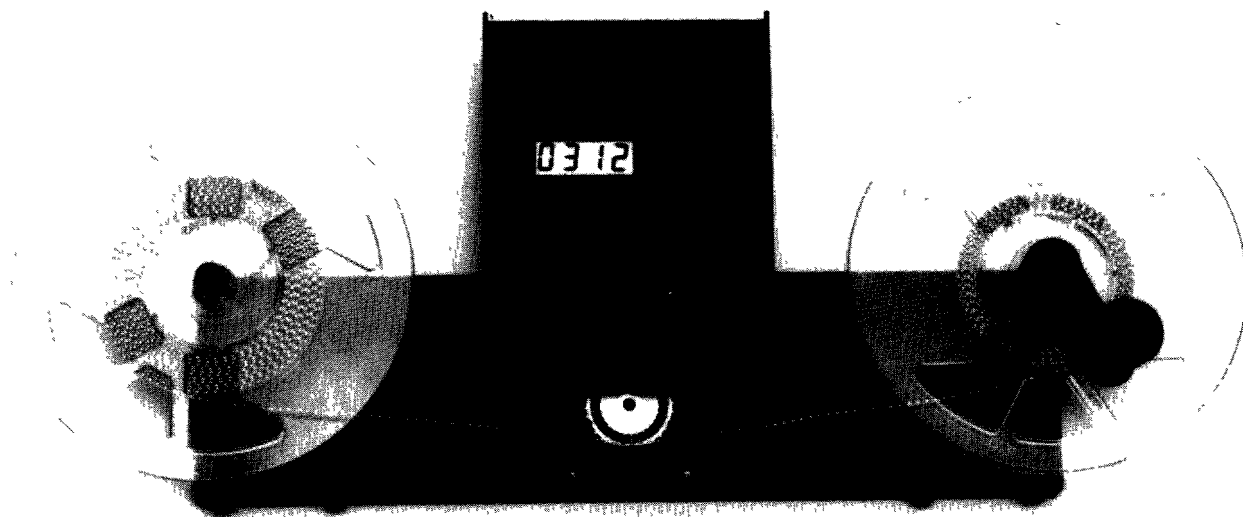


457 - 085

SURFACE MOUNTED ADAPTOR SMD 950

for counting

SMD COMPONENTS USING A B530 BANDOLIER COUNTER



This unit has been developed to assist in the counting of SMD components housed in 8mm film carrier. It should accommodate the following SOT types 23, 143, 80 and with 12mm guides SOT 89.

It may also be adapted for use with other size carriers by additional adaptors (available as add-on accessories.)

The unit will normally be supplied as a retrofit accessory to our standard B530 Bandolier counters. It is not normally suitable for use with our B520 or B630 series counters.

For B530's whose serial number is lower than 300 it will normally be necessary to fit a modified slide assembly, these mod kits are readily obtainable from your distributor or in case of difficulty contact ourselves.

The unit may be simply and quickly attached to the standard B530 and does not preclude further use for the counting of standard axially and radial bandoliered components.

Preparation for Use

Remove the standard turret adaptor normally fitted to the B530. Replace this with the SMD adaptor supplied fitting the unit to the existing slide (see photograph overleaf.)

Move the slide complete with new SMD Adaptor forward such that the toothed wheel is interposed with the guidance slot on the B530. At this stage, as a quick check, switch on the B530 counter and ensure that when the wheel is rotating a count is shown on the display. Secure the counter to the base tray by means of the four thumbscrews fitted to sides of the baseplate tray.

AFG Electronics

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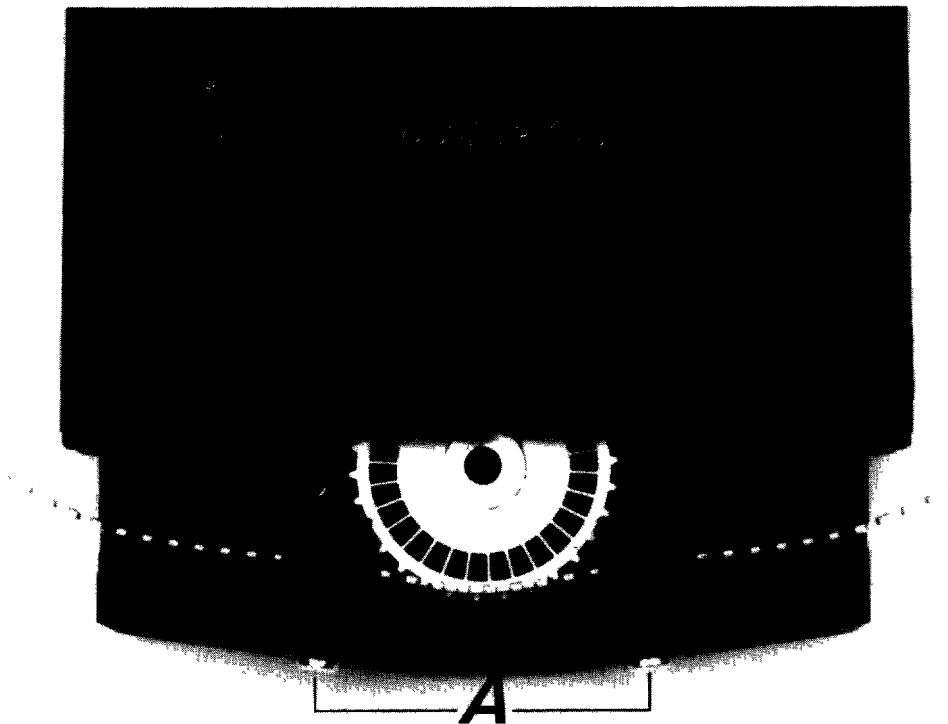
Loading the film (see photograph)

Mount the full reel on the left hand spool holder. Take the film leader and pass it along the slot round the toothed wheel and out through the slot on the far side. Feed the leader on to the empty spool fitted on the right hand spool holder. Fit the handle supplied such that the drive pin engages in one of the slots at the centre of the empty spool. As spool thicknesses are not always consistent try to ensure that the film carrier is as near horizontal as possible when passing through the guide path. This may be achieved by using suitable packing spacers under the reels. Set the film retaining guides marked A on sketch such that they just ride lightly on top of the film.

Care should be taken when counting components carried in paper tape to avoid drawing the tape too quickly through the guidance system. Some paper tapes are quite stiff and will tend to snag in this situation a steady pull is all that is needed to ensure troublefree operation. It is also beneficial to clamp or screw the base to a bench.

Counting

To maintain count veracity note should be taken of the no of components passing round the count wheel prior to threading on to the take up spool ignoring any length of empty leader. Components should be threaded such that the blister faces inwards towards the counter body as shown in photograph below.



The simplest way of counting small quantities i.e. less than a full reel is to pull the components through to the **RIGHT HAND EDGE OF THE SMD ADAPTOR** then **ZERO** the count. Count through the number of components required by observation of the displayed count. When the required count is reached on the display then **CUT THE TAPE AT THE RIGHT HAND EDGE OF THE ADAPTOR** you will then have the correct number of components on your cut tape. This is simpler than marking the tape and counting off from that point. The method outlined can be compared to compensating for the weight of the pan when using comparative Weigh Scales.

With the use of the divide facility that is available on the KWIKCOUNT it is possible to count components carried in the larger tapes i.e. 12mm, 16mm and 24mm.

457-085

KWIKCOUNT UNIVERSAL BANDOLIER COUNTER

B530 Bandolier Counter

- ☐ **ATTRACTIVE FEATURES AT A COMPETITIVE PRICE**
- ☐ **HIGHLY RELIABLE - PROVEN DESIGN**
- ☐ **TRULY PORTABLE COUNTS UP TO 100,000 COMPONENTS**
- ☐ **EASES STOCKTAKING PROBLEMS**
- ☐ **COUNTS BOTH AXIAL AND RADIAL COMPONENTS**
- ☐ **COVERS ALL KNOWN TYPES OF BANDOLIERS**
- ☐ **ADDITIONAL ACCESSORIES FOR SURFACE MOUNT COUNTING**

DESCRIPTION

The Kwikcount was developed to satisfy the need for a Universal Bandolier Counter that is really portable and able to accommodate all axial and radial components in common use.

The Kwikcount is supplied with an internal Nickel Cadmium Battery pack and suitable Charger. It has a unique division facility that allows counting up to 100,000 axial components. A useful stocktaking facility. The division facility also allows for the simple counting of Multi-legged components in conjunction with the turret head adaptor supplied. Battery Low Indicator and Auto Switch Off are standard features.

DISPLAY

4-Digit field effect Liquid Crystal Display with 12.7mm high digits reading 0-9999. Counts up or down dependent on the direction of component travel.

POWER SUPPLY

Cells will be fully charged in 12 hours when the normal supplied charger is used. This is connected via a 2.5mm jack socket fitted to the rear panel of the counter. A solid state lamp indicates when the cells need recharging (BAT LOW) and is fitted on the left hand side of the switch bezel.

POWER CONSUMPTION

28mA at 5 Volts. The Unit operates between 4.0 and 5.0 Volts. Cell capacity gives a minimum running time of 15 Hours.

CONTROLS

On/Off Zero Switch. Single momentary push-button switch switches the unit on and Zeroes the reading. The unit will normally switch off 2-3 Minutes after the last count has been taken. If for any reason there is a need to retain the count then this may easily be accomplished by placing a piece of card such that it interrupts the optical path this action will override the automatic switch off facility.

LED INDICATORS (Fitted in Bezel)

The Switch bezel is fitted with two LED indicators. The left hand one indicates battery condition when it is on it indicates the need to charge the batteries. The right hand LED is used in conjunction with the division facility indicating a valid/invalid count condition. A valid count is indicated when the lamp is OFF. Thus when it is ON it indicates that the count of a Multi-legged component has NOT been completed.

LEFT/RIGHT Switch (Fitted on rear panel.)

This switch allows you to count Components either increasing from **LEFT** to **RIGHT** or by operation of the switch from **RIGHT** to **LEFT**. This is useful in a stocktaking situation when complete Reels of Components are being counted and a reeler is being used

RADIAL COUNTING

A sixteen way division switch on the rear panel of the unit allows for division by 1 through to 16. For axial components this would normally be set at 1 but may be set to 10 to extend count to 99,999 without loss of accuracy. With Radial components the division switch is set to correspond to the number of legs, normally 1-4.

BATTERY CHARGING

Dependent on hours of use it will be necessary to recharge the Nickel-Cadmium Batteries fitted in your counter. The procedure is quite simple using the Mains /Adaptor Charger. If the unit is in continuous service it may require recharging twice each week.

To recharge the batteries

1. Plug the 2.5mm plug on your Mains Adaptor Charger into the Jack socket on the rear panel of the counter. Ensure the plug goes well home.
2. Plug the Mains /Adaptor Charger in to a convenient 13A outlet. Switch On.
3. It is possible to use the unit in a purely main's situation by use of the Mains Adaptor supplied.