DAP COUNTER ON-SITE INSTALLATION.

After installed the DAP chamber on the tube and connected to the counter check the working way as follow:
Keep the counter off the generator suspended by the cables as per following picture

In this way, after switching ON the generator, the led status should be as follow:
In this way the board is powered and the microcontroller is working in the right way. Connect a straight cable (Male to Female 1to1 cable) to the RS232 connector on dap counter board to your computer. Run a RS232 terminal software like “Windows Hyperterminal” connected to COM1 (if COM1 is the port connected to the counter) with following parameters:

BAUD RATE: 4800
BIT: 8
PARITY: NONE
STOP BIT: 1

At the end of every exposure You should receive a string of ASCII characters containing exactly the data sent to the control console to be printed.

When received the data it is possible to switch off the generator and mount the counter on the frame following the tip in next picture:

**BE SURE TO INSULATE THE BOLT AGAINST THE BOARD TO EVOID THE POWER SUPPLY BE GROUNDED ON THE FRAME BY THE SCREW**
Switch on the generator and check again the LEDs status, expose and check the presence of ASCII data over the DAP counter through RS232.

Configure the generator using “ODEL Navigator” to get “AUTOPRINT mode” for DAP data. Disconnect the serial link between “ODEL Navigator” and the Personal Computer.

Connect with a null modem cable the MPU RS232 connector (the same as Navigator connection) to the printer (using the NULL MODEM cable 9 to 25 poles).

Switch on the generator and the printer, expose and read the printer data on the label.

In case the DAP Counter is ON, (i.e. all the led as shown before) and the data are not printed re-check the presence of data over the RS232 service connector on DAP Counter board.
INPUT DIODE SIGNAL – (probe 10X) – 2.5 Volt, 2us

OPTOCOUPLER SIGNAL OUTPUT – (probe 10X) – 5Vdc, 2us

If still no result contact ing. Stefano GANZETTI. – ODEL S.p.A.

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