

PT 8631 ANALOG TEST PATTERN GENERATOR

The PT 8631 Analog Test Pattern Generator can be installed in the PT 5230 Digital Video Generator.

Packing list:

Check that the PT 8631 option package contains the following items:

Description:	Item	Quantity
1. Nut for BNC connector	2422 034 17419	2
2. Lockwasher for BNC Connector	2422 034 17421	2
3. Pan Head Screw M3x6	2522 178 31058	8
4. Washer Brass	2522 600 10018	16
5. Ribbon Cable with micro 20P, 45mm	4008 105 04030	1
6. Ribbon Cable with micro 20P, 110mm	4008 105 04870	1
7. Distance Piece, M3	4008 107 36490	8
8. Analog Signal/Pattern Gen. Assy	4008 109 84790	1

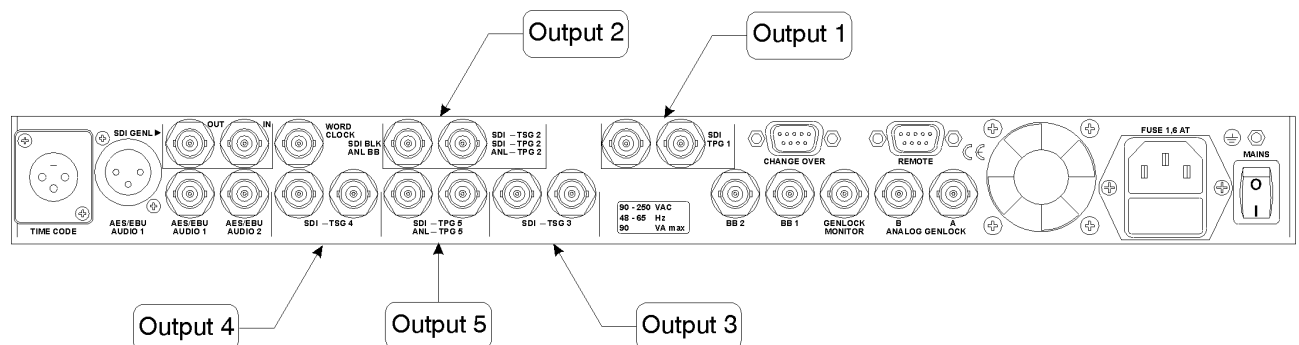
The system is “plug and play” meaning that when the unit is mounted no configuration is needed in order to enable the PT 8631.

However, to ensure proper correspondence between physical outputs on the rearplate and the output description shown in the display, the unit has to be installed in the right positions and connected correspondingly.

Two PT 8631 can be installed at the same time in the PT 5230 as outputs 2 and 5.

If only one PT 8631 is installed, it has to be installed as output 2.

When both a PT 8631 and a PT 8633 is to be installed, output 5 is also valid.



Rearplate lay out



Installation procedure

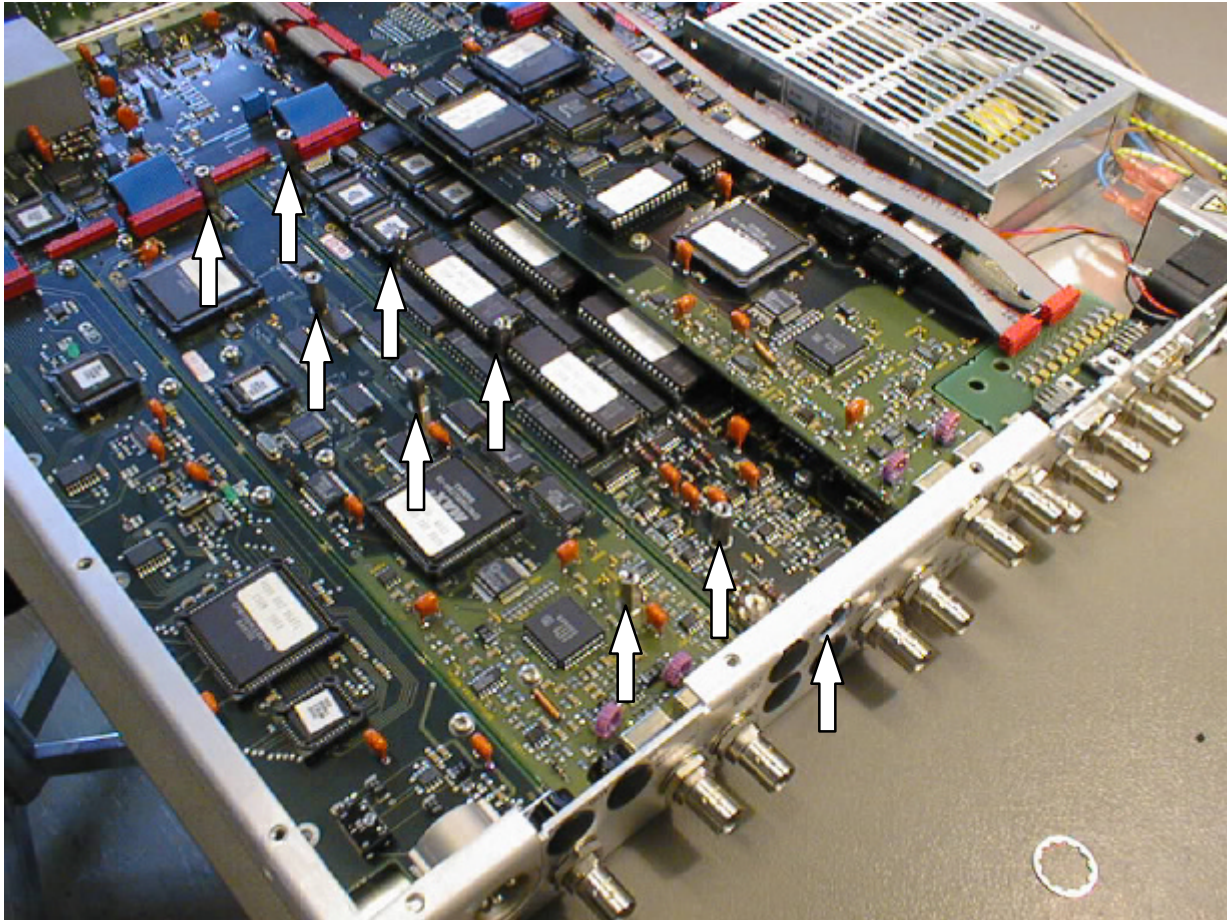
1. Open the PT 5230 by removing the top cover.
2. Remove the plastic blinds from the back panel for the BNC connectors.
3. If any PCB's are installed in the lower level below the position for the PT 8631 remove the screws where the hexagonal spacers are to be installed. 4 or 8 screws have to be removed depending upon how many modules are installed below the position for the PT 8631. Keep the screws. (Picture 1).
Installation of units in bottom position.
4. Install the 8 hexagonal spacers in the studs in the main frame. The hexagonal spacers which are not going through any PCB should have two brass washers placed between the stud and the spacer. Do not overtighten the spacers. (Picture 2)

If two PT 8631's or one PT 8631 plus PT 8633 is to be installed, the first unit is positioned directly on top of the integral spacers in the cabinet.
5. Place the PCB board on the spacers with the connectors through the back of the generator.
6. Mount the lockwashers and nuts on the BNC connectors, do not tighten.
7. Mount the 8 screws into the spacers, do not tighten.
8. Tighten the nuts on the BNC connectors.
9. Tighten the 8 screws fixing the PCB to the hexagonal spacers.
10. Mount the ribbon cable from the PT 8631 printed circuit board to the PT 5230 main board
 - One PT 8631 alone, or with PT 8639 in the bottom position (Picture 4)
 - Two PT8631 or PT8633 (Picture 5)

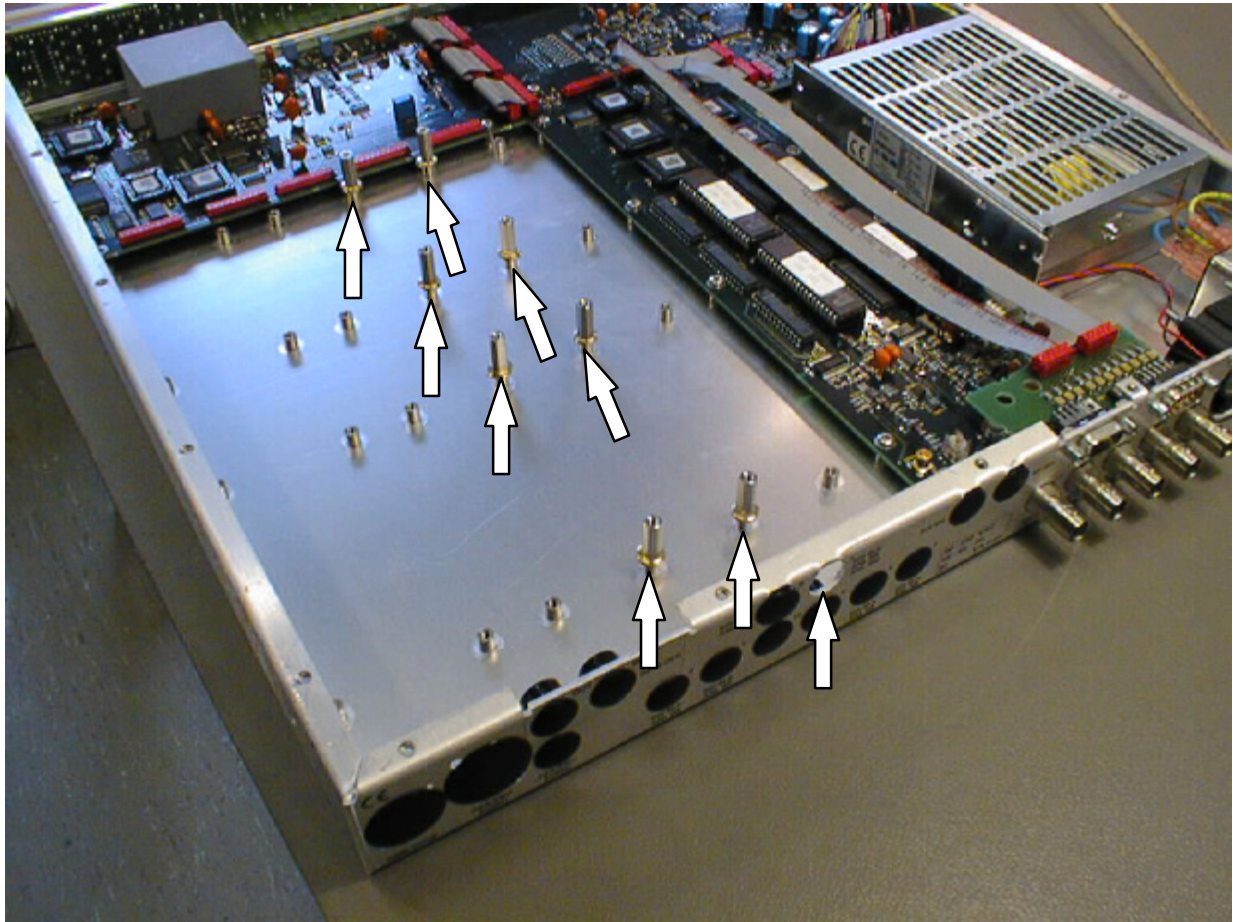
Observe that the cable is correctly turned. A guide pin in one end of the connector should fit into a hole in the PCB.

11. Mount the top cover on the PT 5230.
12. Turn on power, and observe that the menu includes the Analog Test Pattern Generator.
13. Place the option type plate on the side of the generator in order to make later identification possible

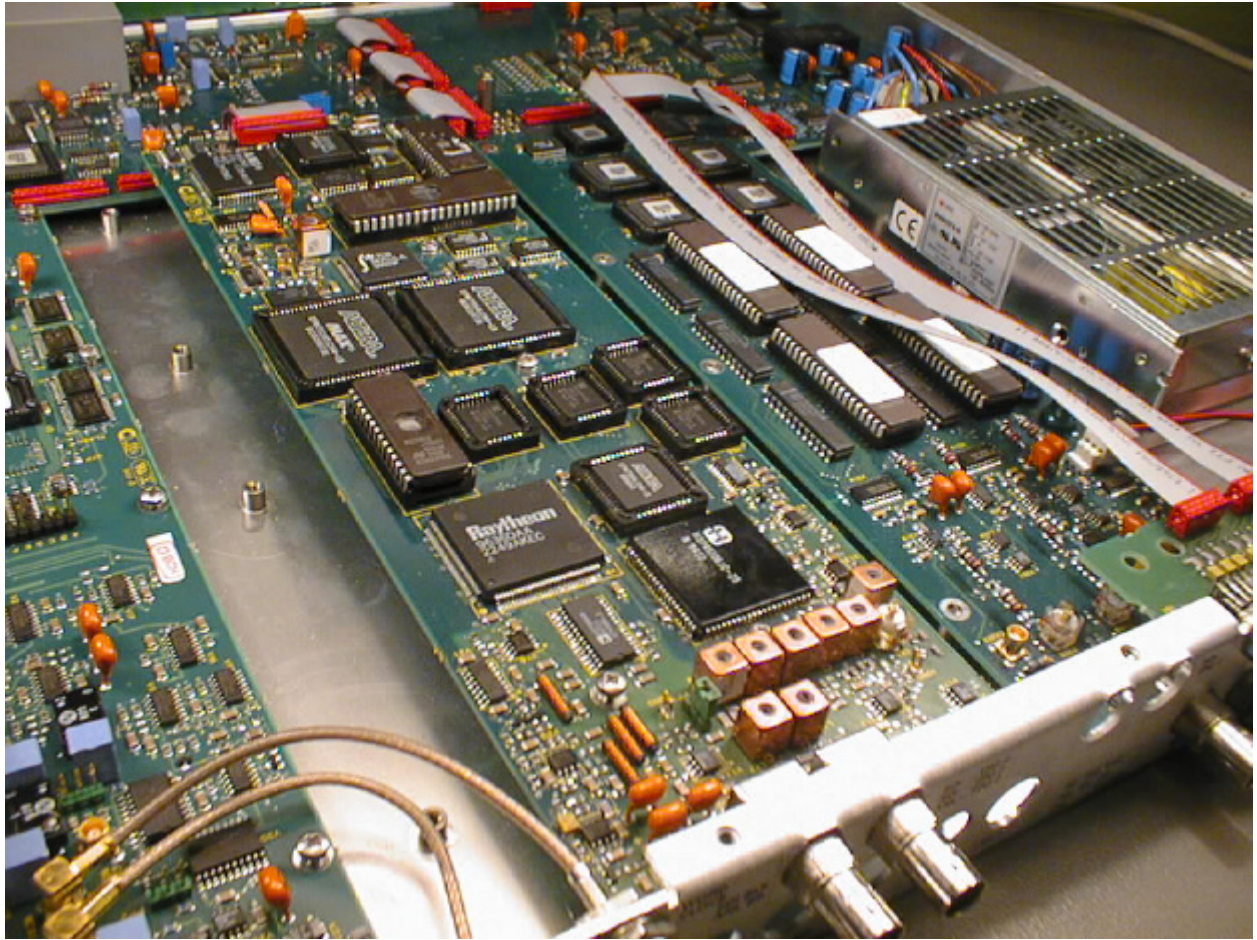
Note: If any unit were installed in the level below the PT 8631, either 4 or 8 screws will be left after the installation.



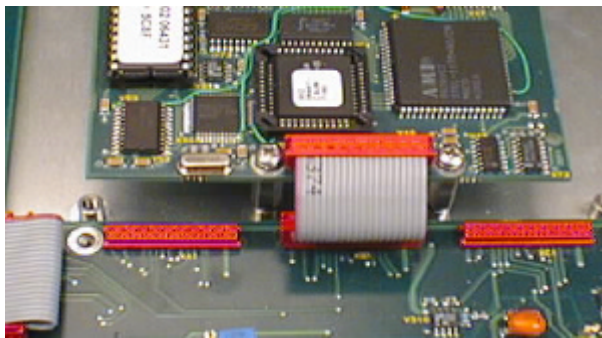
Picture 1: The positioning of the hexagonal spacers in an instrument where the lower space is in use. In those cases where the lower level space is used for other PCB's the brass washers are not required. If only one of the lower level positions is occupied, brass washers are still required on the hexagonal spacers not going through any PCB.



Picture 2: The positioning of the hexagonal spacers in an instrument when the lower level space is empty. Note the two brass washers below each of the spacers. These washers are required when no PCB boards are installed in the lower level only.



Picture 3: The installed PT 8631 as the only unit.



Picture 4: Detail of cable connection:
One Test Pattern Generator (PT 8631 or PT 8633).



Picture 5: Detail of cable connection:
Two Test Pattern Generators (PT 8631 or
PT 8633).