

PT 8639 SDI TEST SIGNAL GENERATOR, BASIC SIGNALS

The PT 8639 SDI Test Signal Generator Module can be installed in the PT 5230 Digital Video Generator and in PT5300 HD-SD Varitime™ Sync Generator

Up to 3 modules can be installed depending on other modules already installed.

Packing list:

Check that the PT 8639 options 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 Screw M3x6	2522 178 31058	8
4.	Washer Brass	2522 600 10018	4
5.	Ribbon Cable with micro 20 pole connectors	4008 105 04030	1
6.	Distance Piece M3	4008 107 36490	8
7.	SDI Test signal generator Assembly	4008 109 84840	1

The system is "plug and play" meaning that when a unit is mounted no configuration is needed in order to enable the new unit.



Installation procedure:

1. Open the PT 5230/PT5300 by removing the top cover.
2. Remove the plastic blinds from the back panel for the module to be installed. The PT 8639 can be installed using the connectors named SDI TSG 2, SDI TSG 3 and SDI TSG 4. It is recommended to use the lower positioned outputs before the upper positioned output.
3. If other modules already have been installed, please consult the Operating Manual to determine possible positions.
4. Insert the module(s) to be placed in the bottom part of the chassis. Mount the lockwasher and nut on the BNC connectors, do not tighten.
5. **Case 1:** No modules in the upper section. Install the 8 screws through each of the modules, do not tighten. Tighten the nuts on the BNC connectors. Tighten the screws through the modules.
6. **Case 2:** One PT 8639 module to be installed in the upper section. Install the eight hexagonal spacers in the screw holes below the position where the upper module will be installed. Install the two times four screws in the remaining screw holes in the two modules in the lower position. Tighten the nuts on the BNC connectors. Tighten the screws and hexagonal spacers holding the lower modules.
7. When required, insert the module in the upper position. Mount the lockwasher and nut on the BNC connectors, do not tighten. Mount the 8 screws through the module into the hexagonal spacers. Tighten the nuts on the BNC connectors. Tighten the screws through the modules.
8. Mount the ribbon cables from the module(s) printed circuit board to the PT 5230 main board. Observe that the cable is correctly turned. A guide pin in one end of the connectors should fit into a hole in the PCB.
9. Mount the top cover on the PT 5230.
10. Turn on power while performing a "factory preset" as described in the manual. Observe that the menu includes the new installed generators.
11. Place the option type plate on the side of the generator in order to make later identification possible.



Picture 1

Picture 1: The positioning of two modules installed in a generator frame. When only one module is installed this should be placed as SDI-TSG 3 and connected via cable XA1.



Picture 2.

Picture 2: The installation of three modules PT 8639 requires that one module is installed in the upper level. Eight hexagonal spacers has to be used to give distance to the lower modules. The cables from the three modules should be connected to XA1, XB1 and XC1 respectively.