

OPERATING DISCRPTION

Aug.2003 Kondo Kagaku co.,Ltd

Main Unit

EX-10 HELIOS(KT-303H)

PCB T-125001

The circuit of a main unit aims at generating a signal and supplying a high frequency part.

The voltage from the variable resistance for controlling a steering channel is inputted into JP3.The voltage from the variable resistance for controlling a throttole channel is inputted into JP4.

It is inputted into CPU and an AD translation is performed, the signal by which digital processing was carried out inside CPU is again changed into an analog signal, and each signal is sent out to a high frequency part.

In case it processes by CPU, a user operates it using SW 1, 2, 3, and 4, and determines a parameter required for operation. Moreover, in order to display the contents of a setting on a user, the 12-figure liquid crystal display machine of four lines is used, and a character is displayed by control of CPU.As a display machine, it has four Light Emitting Diodes besides this.

Furthermore, sound is pronounced by BZ1 and discernment to operation of a user is made easy.

It is equipped with 12 switches and JOG dial in addition to variable resistance of each channel that a user operates it, and it will operate an auxiliary function.

PCB:125002

As an output terminal of a signal, it connects with a high frequency part through T-125002 substrate. Moreover, this substrate is equipped also with the direct SABO control function, the FON terminal, and the terminal for extended memories.

RF Module (RF-501F)

After voltage change is restricted by VR1 and VR2, as for the inputted signal, direct frequency modulation is applied to a crystal oscillation by capacity change of D1.Q1 is a transistor which constitutes an oscillation circuit. The high frequency signal generated here reaches the final amplification part by Q3 and Q4 through the filter circuit which used the high frequency transformer, the drive circuit by Q2, etc. The signal which obtained sufficient high frequency electric power here is further outputted from an antenna through a filter circuit and an adjustment circuit with an antenna.