

INSTRUCTION MANUAL

BATTERY PACK

MODEL BP01-COS

KIKUSUI ELECTRONICS CORPORATION

The BP01-COS Battery Pack is a nickel-cadmium battery used as a built-in power source of the COS3010-TW Oscilloscope. When built in the oscilloscope, the battery is fully charged up in about ten hours. The oscilloscope can operate on the battery power for about two hours.

o Installing the battery in the oscilloscope

- ① First of all, make it sure that the POWER switch of the oscilloscope is set in the OFF state and the AC power cord is disconnected from an AC line receptacle. Remove the cover of the battery pack compartment by undoing its six clamping-screws. (The screws are re-used. The cover is not required when the battery pack is used.) (See Figure 1.)
- ② Connect the 3-hole receptacle of the leadwires of the battery pack to the 3-pin plug on the PCB in the battery pack compartment. (See Figure 2.)
- ③ Install the battery pack in the battery pack compartment and fix the battery pack with the six screws. (See Figure 3.)
- ④ Connect the AC power cord to the AC line receptacle and check that the CHARGE ON light (LED) on the oscilloscope front panel turns on.

o Battery replacement

Undo the four clamping-screws of the battery pack casing and replace the old battery with a new one. Make it sure that the leadwires are positioned in the left hand side as shown in Figure 4.

o Notes:

- ① Never short the connector terminals lest an abnormal current should be drawn from the battery causing overheating and damage.
- ② When a new battery is initially installed in the oscilloscope, be sure to charge it up until the FULL CHARGE light (LED) turns on.
- ③ The storing ambient temperature range for the battery pack is -30°C to 50°C (-22°F to 122°F); the operating ambient temperature range is 0°C to 45°C (32°F to 113°F); the humidity range is 20 to 80% RH. If the battery pack is used exceeding these ranges, its life expectancy is shortened.
- ④ When the battery pack is not used for a prolonged time, charge it once in every 30 days or thereabout.

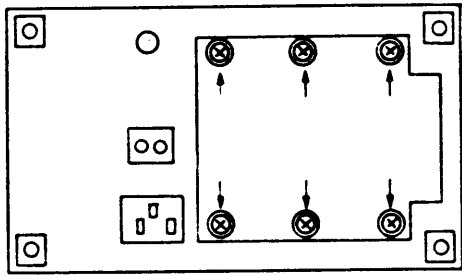


Figure 1

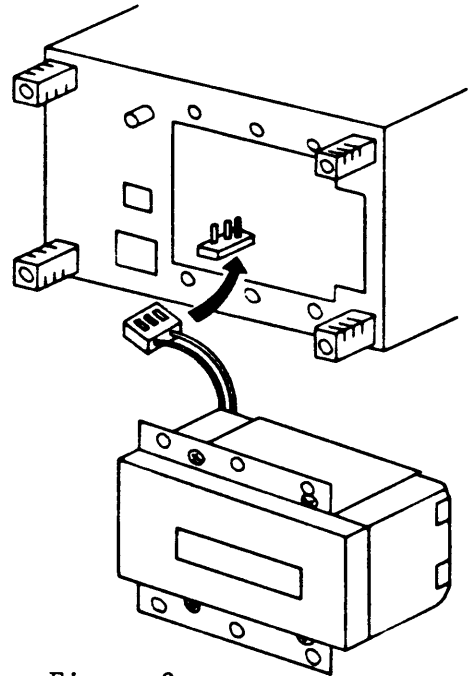


Figure 2

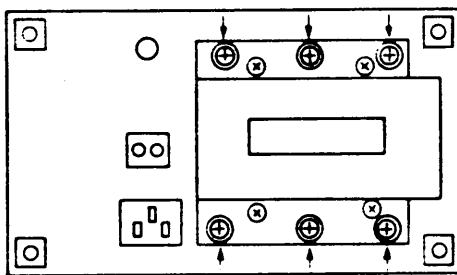


Figure 3

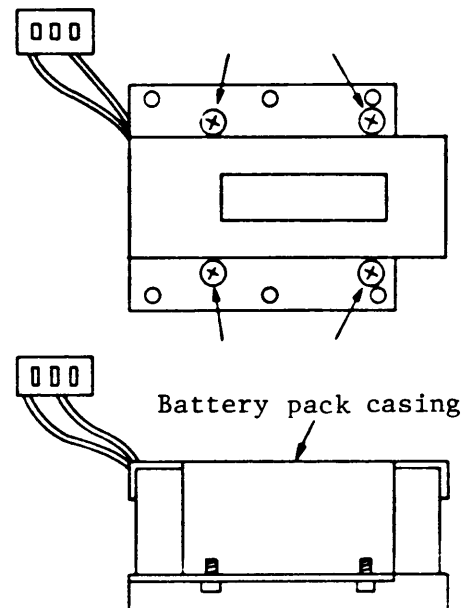


Figure 4