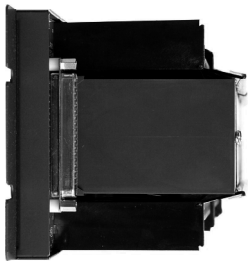
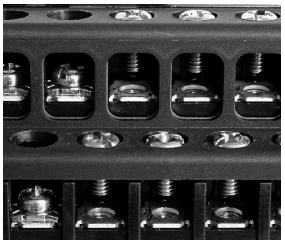
AREX39

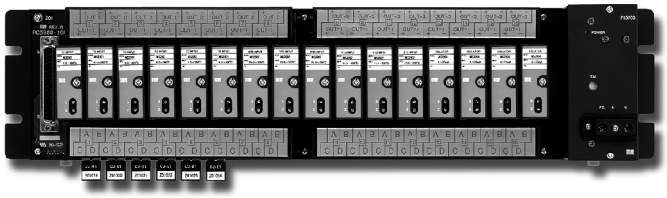
Isolated Signal Conditioning System "AREX-39" series -- developed with new designing concept pursuing Accuracy and Safety

The dedicated Chassis intended for convenience of handling and safety.

Two types of chassis are prepared, one for input modules and the other for output ones, to make wiring separately, thus any accident to be caused by wrong wiring can be avoided.
The terminal block part of the chassis projects itself to the front by 82mm so as to get the wiring to the terminal achieved easily and efficiently. This feature, coupled with employment of the pop-up screws brings about double advantages both in safety and efficiency of the work. The signal connection is made by use of M3.5, pop-up screws, which never drop off the place during wiring work. The round terminal tab can also be acceptable. The cover-plate for terminal block is printed with the terminal number on the surface and the reverse side to prevent wrong wiring from occurring.
The AC Power Supply is of free range covering every commercial supply voltage between 100 and 240V.
All of the input, the first output and the second output, can be connected on the terminal block. The first output can be connected to 37pin, D-sub Connector in parallel.







Employment of ceramic capacitors assures high accuracy and longevity

The ultra-low power consumption design of the instruments employing ceramic capacitors can suppress the heat generation to the minimum level. The instruments, therefore, are free from any influence of deterioration over time and accidental breakage of the component as are often seen in aluminum and tantalum capacitors, hence a longer life span is secured. Fine adjustment is easily achievable through the multi-turn trimmers, by which possible slippage in adjustment with vibration can also be prevented.

Noise-Immune Design equipped with EMI Filter

The DC Power Supply Input section of each unit is equipped with EMI Filter to shut out high frequency noise. Thus, the instrument is so designed as to have enough immunity against high radiation noise.
Every output unit is provided with current output breakage detection capability which outputs alarm signal (open-collector output) externally. Each unit can easily be hot-swapped along the guide rail.