

# NIM V-F CONVERTER USER'S MANUAL

## N V F - 0 2 A 型

A V-F Converter constructed in a NIM-1 UNIT case, include a three stage amplification factor switch and a polarity selector switch. In addition, with over range and polarity displayed, V-F conversion is always performed at the optimum conditions. The over range signal is output as a transistor open-collector signal which can be used as a warning.

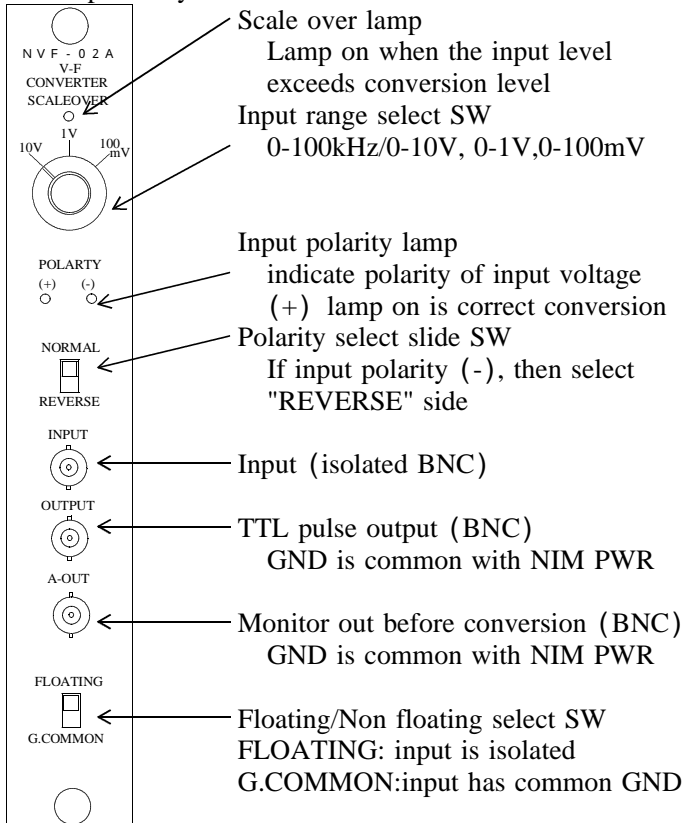
The DC amplifier can be used under isolated (floated) condition from the NIM power source, providing higher noise tolerance. In addition, because the A OUT terminal allows monitoring of the voltage just before V-F conversion, it is possible to provide other measuring devices with amplified signals.

### 1. Specification

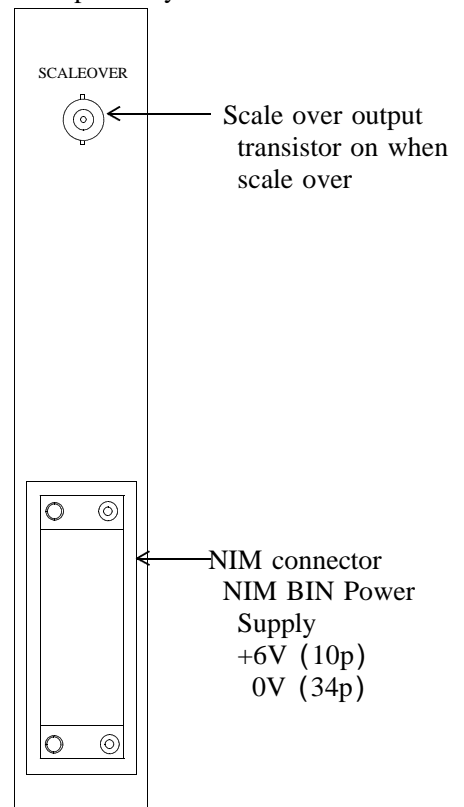
- |                        |   |
|------------------------|---|
| 1) Gain                | 100KHz/10V , 100KHz/1V , 100KHz/100mV     |
| 2) Input Voltage       | 0 ~ 10V (Acceptable input $\pm 100V$ Max) |
| 3) Input Resistance    | 1M or more                                |
| 4) Output              | TTL level (positive logic) 0 ~ 100KHz     |
| 5) Conversion Accuracy | $< \pm 0.1\%/FS$                          |
| 6) Power Supply        | +6V 0.6A (From NIM Connector)             |
| 7) Case                | NIM-1                                     |

### 2. Panel lay out

#### 1) Front panel layout

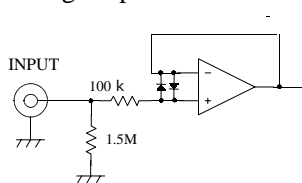


#### 2) Rear panel layout

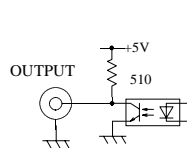


### 3. Circuit of input/output

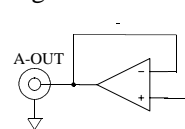
#### 1) Voltage input



#### 2) Pulse out



#### 3) Analog Monitor out



#### 4) Scale over out

