

This plug-in signal converter converts the amount of rotation movement or linear travel distance extracted as a change in the potentiometer's resistance value to the selected DC voltage or current output.
Model MZ and MS type is isolated between input and output by photocoupler.

## Features

$\star$ Wide Zero \& span adjustment range and easy to adjust.
$\star$ Isolated between input and output by photocoupler (MZ, MS).
$\star$ Both AC and DC power supply are available.
$\star$ Easy to maintain by plug-in structure.

## Ordering code



| Specifications |  |
| :---: | :---: |
| Accuracy | $\pm 0.1 \%$ FS (at $23^{\circ} \mathrm{C}$ ) |
| Allowable load resistance | Current output <br> 15 V or less of voltage drop between output <br> Voltage output <br> Load current 2 mA or less <br> For 1 V FS or less of output the current is $1 \mu \mathrm{~A}$ or less |
| Span adjustment | 50 to $100 \%$ of rated input (multi-turn trimmer) |
| Zero adjustment | 0 to $50 \%$ of span (multi-turn trimmer) <br> Minimum span is $50 \%$ or more of the rated input signal. |
| Operating temperature | -5 to $+60^{\circ} \mathrm{C}$ |
| Operating relative humidity | 90\% or less (non-condensing) |
| Temperature coefficient | $\pm 0.015 \%$ FS of span per ${ }^{\circ} \mathrm{C}$ |
| Insulation resistance | $100 \mathrm{M} \Omega$ or more with a 500 Vdc megger <br> Between input, output, and power supply terminal |
| Dielectric strength | 2000Vac for 1 minute |
| Power consumption | Approx. 4VA (AC), Approx. 120mA (DC) |
| Dimensions | 97(H) X 51(W) X 126(D)mm |
| Weight | Approx. 400 g |
| Structure | Plug-in |
| Connection | M3.5 SEMS screw part of the base socket |
| Material of terminal screw | Chromated iron |
| Case color and material | Ivory, heat-resistant ABS resin(94V-0) |
| Mounting | DIN rail or wall surface |

## Terminal connections



