

This compact plug-in converter (isolator) receives two analog input and outputs a signal in proportion to their product or quotient.
For example, WSP-MLS/DIS can be used for the calculation of temperature correction of visosity or density.

## Features

$\star$ Dielectric strength of 2000 Vac between input, output and power supply
$\star$ Both AC and DC power supply are available
$\star$ Long operationg time
$\star$ Easy maintenance by plug-in structure
$\star$ CE approved

## Ordering code



| Specifications |  |
| :---: | :---: |
| Equation | ```<Multiplier> Output \(=(\mathrm{K} 1 / 100 \times \operatorname{Input} 1) \times(\mathrm{K} 2 / 100 \times \operatorname{Input} 2)\) K1, K2 : Specified in the range of 0.1-100.0\% (standard 100\%) <Divider> Output \(=(\mathrm{K} 2 / 100 \times \operatorname{Input} 2) /(\mathrm{K} 1 / 100 \times \operatorname{Input} 1)\) But, K1/100 x Input \(1>\) K2/100 x Input 2 K1 K2 - Snecified in the rance of \(10 \mathrm{O}-10 \mathrm{O}\) م\% (standard \(10 \mathrm{O} \%\) )``` |
| Accuracy | Multiplier : $\pm 0.1 \%$ FS (at $23^{\circ} \mathrm{C}$ ) <br> Divider : $\pm 0.2 \%$ FS (at $23^{\circ} \mathrm{C}$ ) <br> *99, S code depends on span |
| Response time | Approx. $100 \mathrm{~ms} \mathrm{( } 0$ to 90\%) |
| Allowable load resistance | Current output <br> 15 V or less of voltage drop <br> Voltage output <br> Load current 2 mA or less <br> For 1 V FS or less of output the current is 1 mA or less |
| Zero \& span adjustment | $\pm 10 \%$ FS (Front switch) |
| Operating temperature | -5 to $+55^{\circ} \mathrm{C}$ |
| Operating relative humidity | 90\% or less (non-condensing) |
| Temperature coefficient | $\pm 0.015 \%$ FS of span per ${ }^{\circ} \mathrm{C}$ |
| Isolation | Between input, output, and power supply |
| Insulation resistance | $100 \mathrm{M} \Omega$ or more with a 500 Vdc megger Between input, output, and power supply terminal |
| Dielectric strength | 2000Vac for 1 minute |
| Power consumption | A : 100 to $240 \mathrm{Vac} \pm 10 \%$ Approx. 5.5 VA <br> $\mathrm{D}: 24 \mathrm{Vdc} \pm 10 \%$ Approx. 100 mA <br> $8: 100$ to $120 \mathrm{Vdc} \pm 10 \%$ Approx. 25 mA |
| Power supply variation | $\pm 0.1 \%$ FS (within the range of rated voltage) |
| Dimensions | 84(H) X 23(W) X 106.5(D)mm |
| Weight | Approx. 150g |
| Structure | Plug-in |
| Connection | M3 SEMS screw part of the base socket |
| Material of terminal screw | Chromated iron |
| Case color and material | Ivory, heat-resistant ABS resin(94V-0) |
| Applicable Directive | EN61326-1, EN61010-1, EN IEC 63000 Installation category: II, Pollution degree : 2 |
| Mounting | DIN rail or wall surface |

## Terminal connections

|  | No | Signal | Description |
| :---: | :---: | :---: | :---: |
| (4) 1 | \% 1 | No. 1 INPUT(+) | No. 1 Input |
|  | 4 | No. 1 INPUT(-) |  |
|  |  | No. 2 INPUT(-) | No. 2 Input |
|  | 5 | No. 2 INPUT(+) |  |
| - 0 | 8 | NC | No connection |
| $\square$ | 9 | OUTPUT(+) | Output |
| $\square \mathrm{O}$ - | 12 | OUTPUT(-) |  |
|  | $\frac{13}{14}$ | POWER U(+) | Power Supply |
| (12) 9 | 14 | POWER V $(-)$ |  |

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[^0]:    * Specification is subject to change without notice

