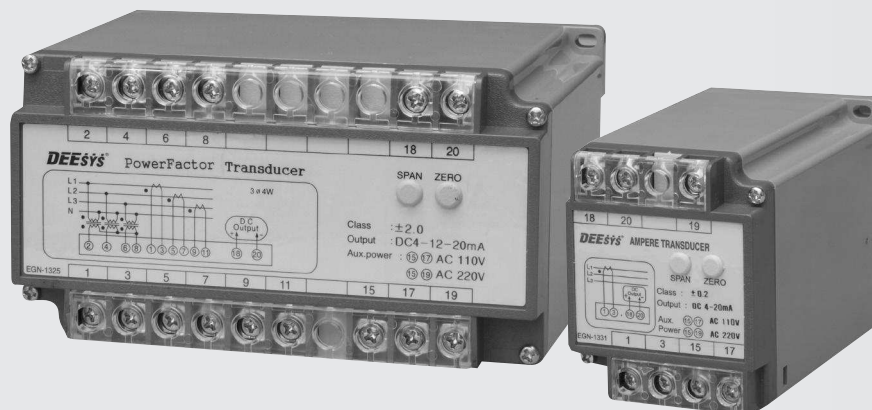


Power Transducer

- Power Transducer
- Voltage Transducer
- Current Transducer
- Watt Transducer
- var Transducer
- Watt/Watt Hour Transducer
- Transducer
- var/var hour Transducer
- Power Factor/Transducer
- Frequency Transducer
- DC Voltage Transducer
- Isolator/Temperature Transducer

Transducer



POWER TRANSDUCER

Description

- DEESYS transducers are designed to accept AC current and Voltage input and provide DC proportional current and voltage output with high accuracy.
- DEESYS transducers are compact instruments that have outstanding overload and temperature performance.
- DEESYS transducers provide high capability for long distance transmission of output, micro processing equipment and other converters.

General Specification

Head	Specification
Auxiliary power	AC 110/220V($\pm 10\%$), 50/60Hz(1,5VA)
Input burden	Less than current 0,5VA, Voltage 0,6VA
Input over capability	Current rated : 1,2 In continuous 2 In 10sec 10 In 3sec Voltage rated : 1,2Vn continuous
Response	Less than 400ms, step change 0~95%
Output ripple	Ripple less than 0,5%Ro peak-peak,(span)
Operating temperature range	-10°C to + 55°C
Operating humidity	0~99%, non-condensing
Calibrate adjustment	$\pm 1\%$ minimum
Zero adjustment	$\pm 1\%$ minimum
External magnetic field	Less than 0,01% 100AT/1M center
Dielectric strength	Terminal to case : 4000V AC rms 1minute Input to output : 2000V AC rms 1 minute
Output load	DC current mode : max 10V drop, DC voltage mode : max 5mA drive
Surge/Impulse	IEC255-4, 5kV, 1,2X50 μ s, IEC 255-22-1, 2,5kV(1MHz/400Hz)
Case material	ABS resin, DIN rail type

VOLTAGE TRANSDUCER



- High accuracy 0.1% or 0.2%
- Excellent long term stability
- High magnetic field immunity
- Meets IEEE SWC test.
- Outstanding overload and temperature performance.
- Stability : Maximum 0.01%, °C

Description

DEESYS Voltage transducers have good linearity and low ripple output.

The elements are totally isolated among input, output, power and others to case. This voltage transducer provide proportional DC current and voltage output which are not influenced by any load resistance, even under very low load condition, accurate output is available with quick response.

Transducers are designed to respond to the voltage value of input but calibrated to root mean square (RMS) reading of pure sinusoid.

Ordering procedure

- class : 0,1 or 0,2

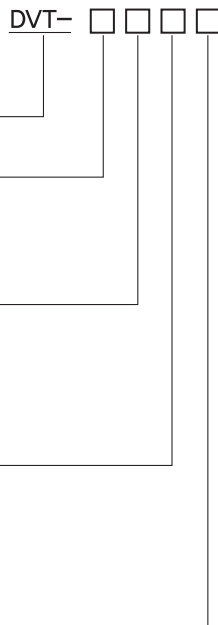
- DEESYS VOLTAGE T/D

- SOURCE
 1. 1Ø
 2. 1ØX3EA

- INPUT
 1. 0~150V
 2. 0~300V
 3. Option

- OUTPUT
 1. DC 4~20mA
 2. DC 1~5V
 3. Option

- HZ
 1. 60HZ
 2. 50HZ



Standard product

Model	Output	Source
DVT-1111	DC 4~20mA	1Ø
DVT-1121	1~5V	1Ø
DVT-1211	DC 4~20mA	1Ø
DVT-1221	1~5V	1Ø
DVT-2111	DC 4~20mA	1ØX3EA
DVT-2121	1~5V	1ØX3EA
DVT-2211	DC 4~20mA	1ØX3EA
DVT-2221	1~5V	1ØX3EA

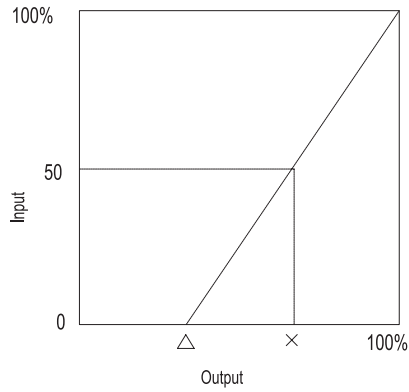
Order made is available except for standard products.

Output/Load resistance

Output	Load Compliance Ω
DC 4~20mA	≤ 500
1~5V	$\leq 1K$

Installation and operation

Output Linearity

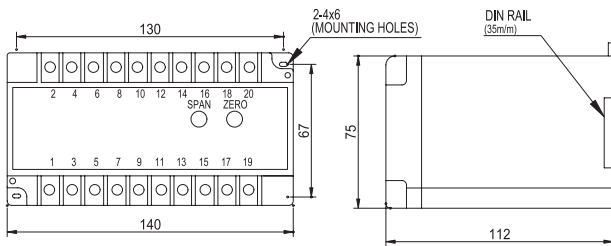


$$x = (100 - \Delta) \times 50\% + \Delta \%$$

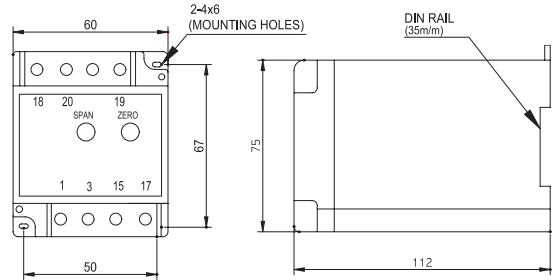
(Δ to rated)

Mounting and dimension

3 Element

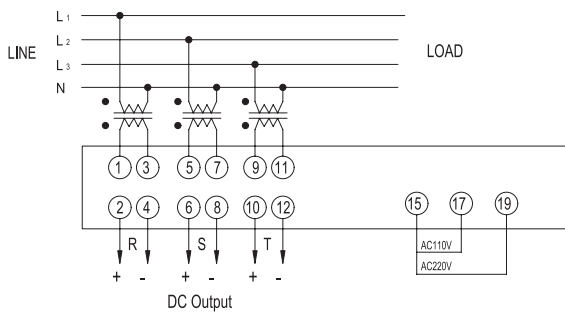


1 Element



Connection diagram

3 Element



1 Element

