

FEATURES

- The **Analog DC Transducers** are instruments conceived to measure current or voltage in DC systems and retransmit a proportional value by means of an analog output
- During the ordering process, the user can define measurement input full-scale values for up to 600Vdc (voltage input) or up to 20mAdc (current inputs). It is also possible to provide models with bidirectional measurement. The - 60...0...60mVdc input is an example of a bidirectional configuration
- Available in two different versions: **W05150**, in a high-resistance extruded aluminum enclosure and **W06153**, in ABS plastic enclosure.

APPLICATIONS

- Conversion of measured DC values into analog DC signals, using automation standards accepted by PLC's, digital indicators, controllers and other related instruments
- Signal Isolation
- Protection of general electrical machinery

PRODUCT INFO

MULTIPLE END APPLICATIONS

- Several options for inputs and outputs, suited for the most varied applications in automation systems.

INSTALLATION AND ENCLOSURE

- Panel's Background, Fastening method:
 - Side Screws (W05150) or Din rail (W06151)
- Connection – Lug terminals
- Robust enclosure (IP -40)

ISOLATION

- 1.5kV, between inputs and outputs (60Hz, 1 minute)

ANALOG OUTPUT

- Response time: < 300ms
- Output Ripple: < 0.5%
- Output values and maximum (current output) or minimum (voltage output) admittable resistances:

4...20mAdc (0...500Ω)	0...10mAdc (0...1kΩ)
0...20mAdc (0...500Ω)	0...1Vdc (1kΩ - minimum value)
0...1mAdc (0...10kΩ)	0...5Vdc (1kΩ - minimum value)
0...5 mAdc (0...2kΩ)	0...10Vdc (2kΩ - minimum value)

MEASUREMENTS AND INPUT INFO

Connection Diagrams

Signal Inputs

Working Range

Connection

Maximum Cable to be Used

Internal Consumption

Voltage or Current

Voltage

Internal Consumption

Material

Mass

Protection Degree

Operation/Storage Temperature

Relative Air Humidity

Temperature Coefficient

Single Voltage / Single Current

60mVdc to 600Vdc/1mAdc to 20mAdc (as ordered)

10 to 100% of the nominal value

Lug Terminal (IP-00)

Measurement inputs and power supply: 4mm² (Recommended 2.5mm²)

Output: depends on the distance and impedance of the instruments that will be connect to it, check admittable resistances info for each case.

<0.5 VA

0.20% [at 25°C (77 °F), referred to the full scale]

12Vdc (90 to 120% of nominal value)

24, 48 or 125Vdc (80 to 120% of nominal value)

110 or 220Vac (85 to 115% of nominal value)

110 or 120 Vdc (100 to 150 Vdc)

< 3.5VA

W05150: High-resistance extruded aluminum enclosure

W06153: ABS plastic

0.5kg

IP-40

-10 to 60°C (14 to 140 °F) | -25 to 60°C (-31.667 to 140 °F)

Maximum of 95% (without-condensation)

0.01%/°C

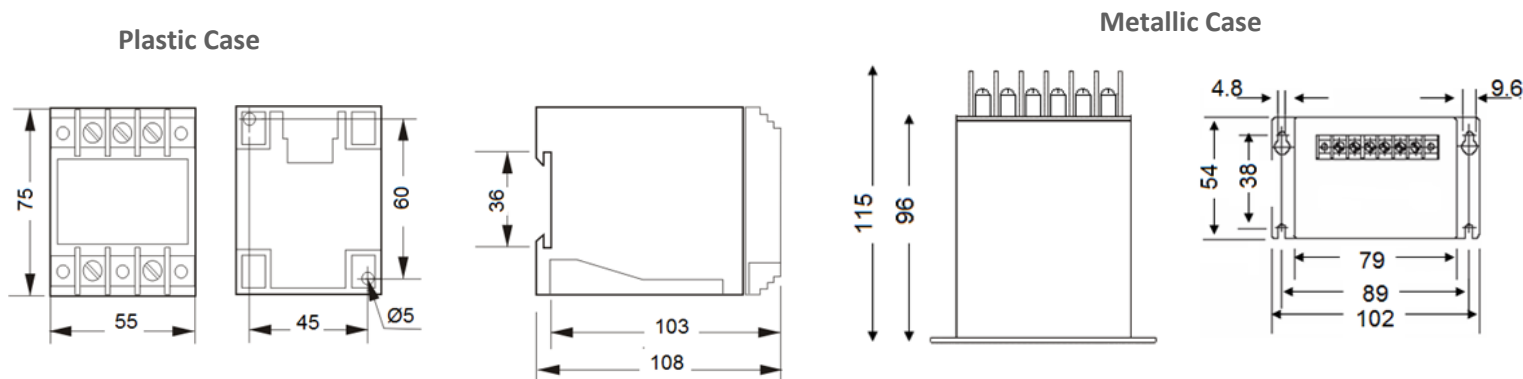
ACCURACY

POWER SUPPLY

CASE

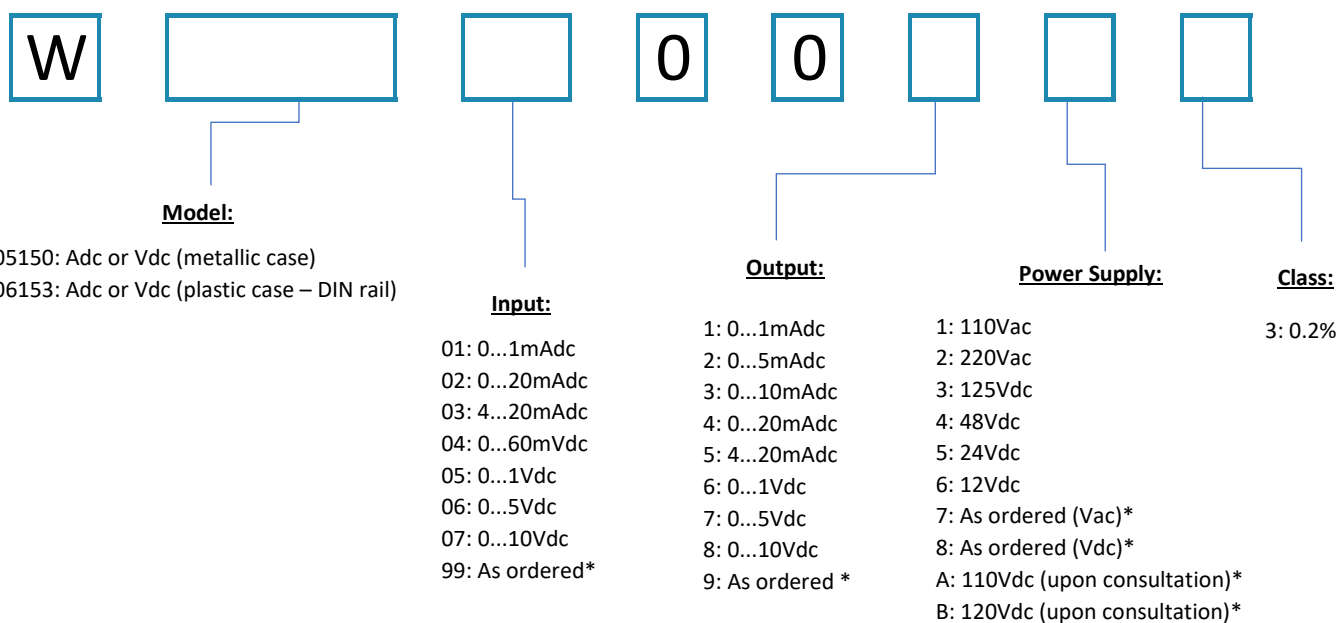
ENVIRONMENTAL CONDITIONS

DIMENSIONS



Dimensions in millimeters

How to Specify:



NOTE:

* Please consult technical support to check availability for a particular value/signal and info about input impedance values.

Standard Model: (Example)

W 05 150 04 0 0 5 2 3

Transducer {DC Transducer – Metallic case} {Voltage Input: 60mVdc.} {Output: 4...20mAdc} {Power Supply: 220Vac} {Class: 0.2%}

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