

# ADV222



## Description

ADV222 is a very compact control unit designed for OEM and system integrators that need to optimize costs and space. It consists of a single module for DIN rail mounting.

Ideal solution to be installed inside the electric / control panel of the furnace or oven.

ADV222 acquires the signals from the probe, it operates the O<sub>2</sub> calculation and retransmits 2 analog outputs. In addition it allows to calibrate the probe by simply pushing on button (one-touch-calibration).

# ADbox



## Description

ADbox is an intermediate version where the ADV222 is integrated into a mini-box IP55 with dimensions 400 x 300 x 150 mm plus a 2.42" OLED LCD display. This configuration allows further functions:

- %O<sub>2</sub> visualization
- Slope adjustment (Span)
- Alarm threshold modification
- Diagnostics

# ADcaseM

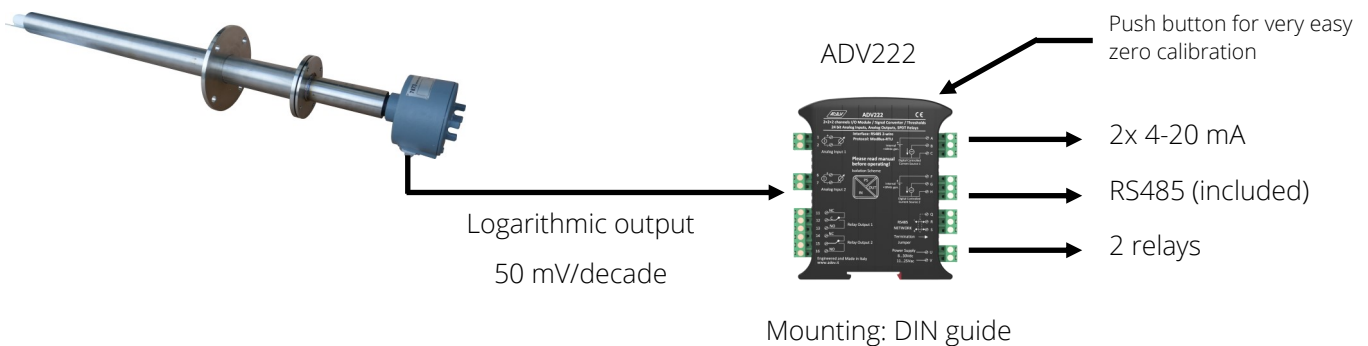


## Description

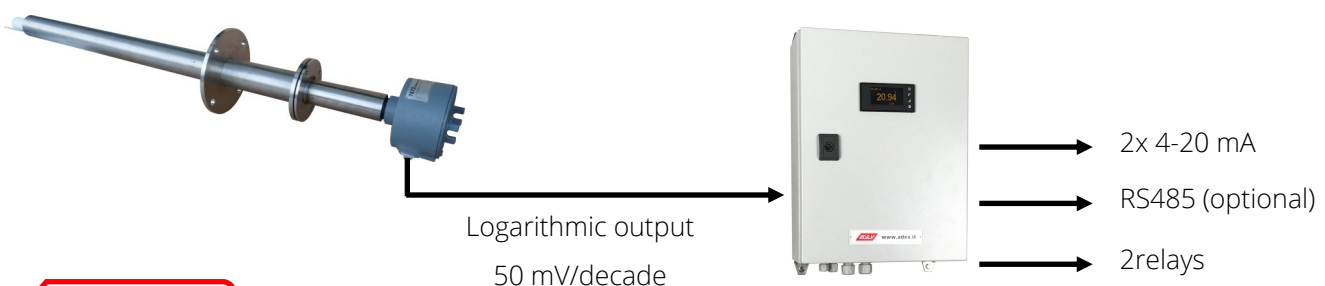
ADcaseM is the full optional version that represents a turnkey solution for customer. Inside a mini-box IP55 (dimensions 400 x 300 x 150 mm) are integrated the ADV222, the 2.42" OLED LCD display and the system to send calibration air to the probe, including:

- Pressure reducer for instrument air (or pump)
- N°1 flow meter
- N°2 selection valves

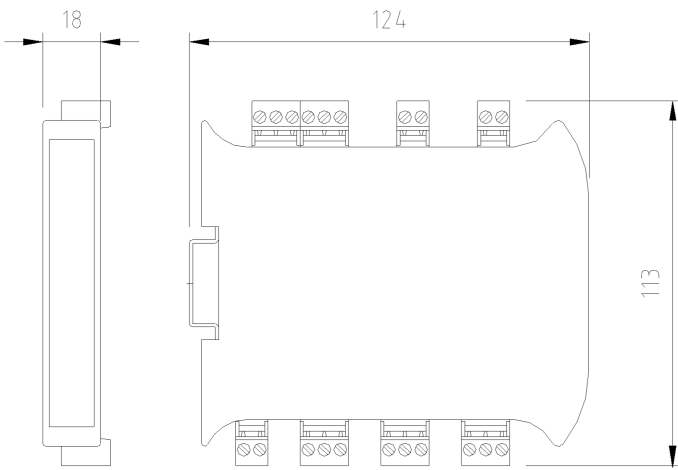
## Connection with ADV222



## Connection with ADbox / ADcaseM



## ADV222 Dimensional Layout



## ADV222 Control Unit Specification

Analog Inputs	2 x isolated
Analog Outputs	2 x isolated
Output Resolution	better than 1x10.000 of FS
Relays	N°2 relays SPDT, 230 VAC, nominal 2A (max 4A) *
Power Supply	8...28 VDC ; 9...24 VAC
Ranges	On customer specification (at order)
Operative Temperature	-20°C...+70°C
Humidity	0...90% non condensing
Protection	IP20
Weight	900 gr.
Connections	Removable screw terminals pace 5,08 mm
Conductor Section	Max. 2.5 mmq
Mounting	DIN rail
Led	Power supply (blue) - Cumulative inputs overload (red) - TX/RX (yellow/amber)
Serial Interface	RS485 2-wire (Protocol ModBus-RTU)
Line Impedance	120 ohm
Termination Type	External
Max Speed	57600bps
Max No. of Nodes	32

## Supplementary ADV222 Specification

Protection	IP20
Weight	900 gr.
Connections	Removable screw terminals pace 5,08 mm
Conductor Section	Max. 2,5 mmq
Mounting	DIN rail

## Supplementary ADbox Specification

Protection	IP55
Weight / Dimensions	8 Kg. / 400 x 300 x 150 mm
Power Supply	100...240 VAC, 2A, 50/60 Hz.
Display	LCD 2.42" OLED . Resolution 0.01%
Cable Entrance (bottom)	N°4 cable glands PG 13 / 9 / 7

## Supplementary ADcase Specification

Protection	IP55
Weight / Dimensions	10 Kg. / 400 x 300 x 150 mm
Power Supply	100...240 VAC, 2A, 50/60 Hz.
Display	LCD 2.42" OLED . Resolution 0.01%
Cable Entrance (bottom)	N°4 cable glands PG 13 / 9 / 7
Pneumatic Connections	Reference and calibration air inlets: 1/8" NPT-F
Configurations	1: Pressure reducer & manual valve 2: Pressure reducer & electro valve 3: Pump & manual valve 4: Pump & electro valve

## ADbox / ADcase Dimensional Layout

