

CANopen



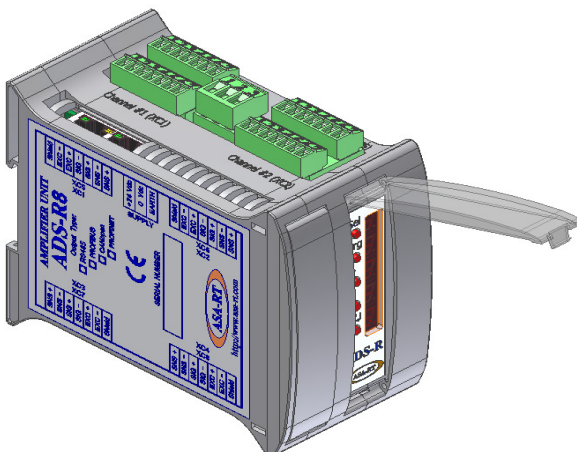
Dimensions in mm

ADS-R8 is a digital multichannel measuring amplifier for strain gauges bridge, that permits to concentrate up to 8 load cell signals on a single unit with fieldbus interface Profinet I/O, Probibus DP or CANopen DS404.

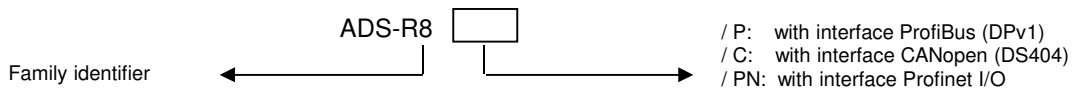
Every measuring channel has its own 24bits AD converter, with programmable gain.

In the **standard mode** on each channel is possible to operate the analogue signal zeroing (calibration), and the signal gain increasing / decreasing, by a three-buttons interface; on the display is continuously shown the value that it is sent to the supervision unit allowing a regulation on field without any auxiliary implements (like screwdriver or multimeter).

In the **advanced mode** (selectable by a special combination of keys), it is possible to program all operational parameters of the units, by the keyboard and the display: zero, gain (full scale in engineering unit), pass-band of the filter on the signal etc.; in normal operation, the display visualises the tension measurement, calculated according to the current parameters.



ORDER CODE



TECHNICAL DETAILS

- External power supply 24VDC / ± 10% - 5W
- Until 8 interfaces for strain gauges bridge, each characterised by:
 - bridge supply 5 VDC.
 - 30 mA per measuring channel (2 load cells 350 Ohm in parallel).
 - acquisition with 24 bi ADC converters.
 - Linearity 0,05% F.S.
 - thermal drift 0,001% F.S. / °C
 - independent sense wires
- Assembling on DIN guide step 65 mm.
- Interface Profinet I/O with integrated 2 port switch

ELECTRICAL CONNECTION

