

# Potentiometer Transmitter DR 4310

## Isolation and Conversion of Potentiometer Position Signals

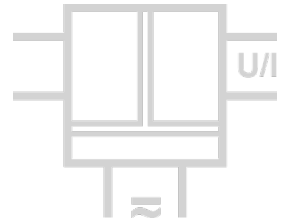
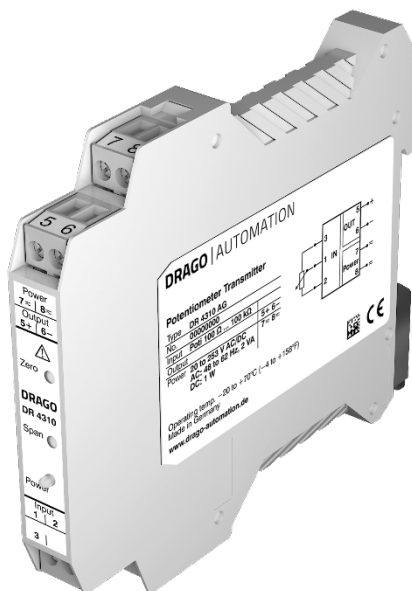
The Potentiometer Transmitter DR 4310 is used for isolation and conversion of potentiometer position signals.

Due to the easy configuration, the new universal power pack and the ultra-small housing the Isolation Amplifier is suitable for flexible use.

The ratiometric measuring method allows the acquisition of potentiometer signals without range selection. Unipolar and bipolar output signals can be selected with a DIP switch. Subsequent readjustment or measured range compensation can then be performed at the zero/scan potentiometers on the front panel.

The small housing with 12.5 mm width saves space in your switch cabinet and facilitates by the practical plug-in screw terminal blocks the assembly. For range setting a simple housing unblocking is installed which makes it possible to reach easily all control elements on the mounting rail.

The new universal power pack for 20 ... 253 V AC/DC means the DR 4310 can be used anywhere in the world, with all mains power supplies. The unit's high efficiency contributes significantly to reducing the unit's own heat generation. This is reflected in extremely high reliability and long-term stability. A green LED on the front of the unit has been provided to monitor the power supply.



- **Easy configuration**  
Conversion of potentiometric position signals without range selection
- **Universal power supply for 20...253 V AC/DC**  
Applicable world-wide for all common supply voltages
- **3-port isolation**  
Protection against erroneous measurements due to parasitic voltages or ground loops
- **Ultra small sized housing**  
12.5 mm housing with plug-in screw terminal blocks
- **High bandwidth; high accuracy**  
No distortion; no falsification of measured signal
- **Protective Separation**  
Protects service personnel and downstream devices against impermissibly high voltage
- **Maximum reliability**  
No maintenance costs
- **5 Years Warranty**  
Defects occurring within 5 years from delivery date shall be remedied free of charge at our plant (carriage and insurance paid by sender)

Block diagram

