

Short instruction for use S series transmitters

- Before connection of the transducer into the pressure circuit, it is necessary to verify that the pressure being measured corresponds to the nominal range of this transducer. Even a transient loading over the maximum allowable overpressure may cause a destruction of the measuring membrane!
- If you measure a pressure of aggressive media it is necessary to verify the transducer material compatibility.
- Caution when sealing of thread (with teflon or with oakum) in liquid medium, because of screwing into the closed volume of liquid can cause uncontrollable rise of pressure and destroy this way measuring membranes!
- All S series transmitters are involved in the electrical circuit by the usual manner. Supply voltage is always in range 5 to 36V. Especially in two-wire connection is necessary to have this voltage at the terminals of the sensor, not for supplying whole loop.
- In case that any of screw terminal inputs is empty, it is not possible to connect it somewhere else. Because it is electrically connected with transmitter circuits and wrong connection can result in error, non-functionality or destruction of transmitter. Specification of individual signals is on label.
- All analog and digital circuits of transmitter are galvanically connected to shared ground, node -Ucc. At the combination of analog and digital inputs is necessary to think about it.
- All inputs are separated by 22uH inductors and protected by varistors against short high-voltage spikes.
- Numbering of leads corresponds to numbering of internal screw terminal.
- Pin 6 is connected to the metal box and serves as a shielding around the sensor. Pin is galvanically isolated from electrical circuits of sensor, tested by the 1000V DC voltage.
- For screw terminal is allowed to use only wires with cross section max 1mm². In case of connection more inputs and outputs we recommend to use wires with smaller cross section.

Outputs table, pin assignments of screw terminal and connector

Connector	3	2	1			⊥				
Screw terminal	1	2	3	4	5	6	7	8	9	10
4 ÷ 20mA	+Ucc	-Ucc				case				
0÷20mA	+Ucc	-Ucc	Out			case				
0÷10V	+Ucc	-Ucc	Out			case				
0÷3V	+Ucc	-Ucc	Out			case				
RS232	+Ucc	-Ucc		RxD	TxD	case				
RS485	+Ucc	-Ucc		B	A	case				
Switching outputs							Re1	Re2	OK1	OK2

In case of any doubt read the complete instructions for use S-series or contact the manufacturer, company Cressto s.r.o. !!!

