



## DIAGNOSIS OF SENSOR WITHOUT EMBEDDED AMPLIFIER

(Wheatstone bridge with mV/V output signal)

### 1) GENERAL INFORMATION

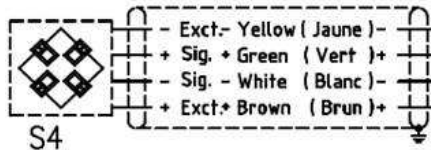
Date :	Company :	Operator :
Tel :		E-mail :
Serial nr of the sensor (10 digits) :		
Model :	Full scale :	mV/V
	Output signal :	

### 2) GENERAL DESCRIPTION

Has the sensor been overloaded?	Yes – No / Remark :
Did the sensor receive shocks?	Yes – No / Remark :
General state of the sensor?	Good – Damaged / Remark:

### 3) MEASUREMENTS

See control certificate delivered with the sensor to know the color of the wires and the input/output impedances.  
Hereunder: standard color code



#### 3.1) With power supply (excitation) connected

Excitation voltage applied to the sensor (from 2 up to 12 V) <i>(Measure between Excit.+ and Excit.- wires)</i>	V
Output signal without load (usually near 0 mV) <i>(Measure between Sig.+ and Sig.- wires)</i>	mV
Check of the direction of the signal	Good - Wrong
Check of the stability of the signal	Good - Wrong

#### 3.2) With sensor fully disconnected

Input impedance (usually 350 Ω or 700 Ω ± 2 Ω) <i>(Measure between Excit.+ and Excit.- wires)</i>	Ω
Output impedance (usually 350 Ω or 700 Ω ± 2 Ω) <i>(Measure between Sig.+ and Sig.- wires)</i>	Ω
Insulation resistance (must be infinite) <i>(Measure between the wires hereabove and the body of the sensor)</i>	MΩ

### 4) DESCRIPTION OF THE MOUNTING (clamping, uncoupling...) + SKETCH