

Sensorex	CUSTOMER SPECIFICATIONS CALIBRATION OF MEASUREMENT CHANNELS - <u>Sensors & conditioners</u> - <u>Inclinometers & display indicators</u> - <u>Electronic card 690 210 268 parameters</u>
SG 248 F	

Company	
Order n°	

Calibration: LVDT sensor & conditioner

LVDT <u>sensor designation</u>	
Total range of sensor (mm)	
<u>Conditioner designation</u>	
<u>Conditioner output</u>	<input type="checkbox"/> 0/10V <input type="checkbox"/> ±10V <input type="checkbox"/> 4/20mA
<u>Calibration range</u>	-FS (mm): Core rod in <input type="checkbox"/> Core rod out <input type="checkbox"/>
	+FS (mm): Core rod in <input type="checkbox"/> Core rod out <input type="checkbox"/>
<u>Output values at ±FS</u>	-FS :..... <input type="checkbox"/> V <input type="checkbox"/> mA
	+FS :..... <input type="checkbox"/> V <input type="checkbox"/> mA

Calibration : RVDT sensor & conditioner

RVDT <u>sensor designation</u>	
Total range of sensor (°)	
<u>Conditioner designation</u>	
<u>Conditioner output</u>	<input type="checkbox"/> 0/10V <input type="checkbox"/> ±10V <input type="checkbox"/> 4/20mA
<u>Calibration range</u>	-FS (°):
	+FS (°):
	Positive sense <input type="checkbox"/> Negative sense <input type="checkbox"/>
<u>Output values at ±FS</u>	-FS :..... <input type="checkbox"/> V <input type="checkbox"/> mA
	+FS :..... <input type="checkbox"/> V <input type="checkbox"/> mA

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Inclinometers & display indicators parameters

<u>Inclinometer designation</u>	
<u>Total range of inclinometer (°)</u>	
<u>Display indicator type</u>	<input type="checkbox"/> 6502 <input type="checkbox"/> 6503
<u>Display unit</u>	<input type="checkbox"/> ° <input type="checkbox"/> rad <input type="checkbox"/> grad <input type="checkbox"/> mm/m
<u>Calibration range</u>	-FS (°): +FS (°): Positive sense <input type="checkbox"/> Negative sense <input type="checkbox"/>
<u>Display values at ±FS</u>	-FS: <input type="checkbox"/> ° <input type="checkbox"/> rad <input type="checkbox"/> grad <input type="checkbox"/> mm/m +FS: <input type="checkbox"/> ° <input type="checkbox"/> rad <input type="checkbox"/> grad <input type="checkbox"/> mm/m

Electronic card 690 210 268 parameters

The standard configuration of the electronic card is 20mA but others configurations are possible.

Configuration	Servo-valve resistor	R196	R182
±4mA	2000 ohms	499 ohms	1200 ohms
±5mA	2000 ohms	402 ohms	604 ohms
±7.5mA	400 ohms	261 ohms	1330 ohms
±20mA	160 ohms	100 ohms	499 ohms
±100mA	44 ohms	20 ohms	82 ohms
±8mA	800 ohms	249 ohms	825 ohms
±10mA	500 ohms	200 ohms	806 ohms
±15mA	100 ohms	130 ohms	750 ohms
±40mA	40 ohms	49.90 ohms	301 ohms
±200mA	11 ohms	10 ohms	56 ohms

Values needed	R_{SV} : Ω	R196 :Ω	R182 :Ω
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