

# FlexTop 2202 Temperatuur Omvormer (Exi)

## Input

<b>Input</b>	Pt100 to IEC/DIN/EN 60 751-2
<b>Sensor type</b>	2-, 3- or 4-wires
<b>Accuracy</b>	$\pm 0.25^{\circ}\text{C}$ $t < 100^{\circ}\text{C}$ / $< 0.1\%$ of signal span
<b>RTD measuring current</b>	0.3 mA, continuously
<b>Measuring range</b>	-200...850°C
<b>Measuring unit</b>	°C or °F
<b>Minimum span</b>	25°C
<b>Sensor break detection</b>	$> 875^{\circ}\text{C}$
<b>Short close detection</b>	$< -225^{\circ}\text{C}$
<b>Error detection delay</b>	$< 10$ sec.
<b>Resolution</b>	14 bit

## Output

<b>Output signal:</b>	4...20 mA, 2-wire
<b>Up/Down scaling limits</b>	23 mA/3.5 mA
<b>Protection</b>	+/- 35 Vdc
<b>Load equation</b>	$RL < (V_{cc} - 8)/23$ [kOhm]

## EMC data

<b>Generic standards</b>	EN 61000-6-3, EN 61000-6-2
<b>Product standards</b>	EN 61326
<b>NAMUR</b>	NAMUR NE21

## Atex approval

<b>Approval</b>	Ex ia IIC T5/T6, ATEX II 1G
<b>Temperature class</b>	T1...T5: $-40 < T_{amb} < 85^{\circ}\text{C}$ T6: $-40 < T_{amb} < 50^{\circ}\text{C}$

## Environmental conditions

<b>Operating temperature</b>	-40...85°C
<b>Humidity</b>	$< 98\%$ RH, cond. (IEC 68-2-38)
<b>Long-term test</b>	IEC 770 6.3.2
<b>Vibrations</b>	GL, test 2 (IEC 68-2-6)

## Mechanical data

<b>Dimensions</b>	$\varnothing 44 \times 19$ mm
<b>Protection class</b>	Housing: IP 40
<b>FlexTop 2201</b>	FlexTop 2201 is discontinued and replaced with the FlexTop 2202

## Ordering code

\*This datasheet is purely indicative, build-up of model code may vary from this datasheet.

Model

2202