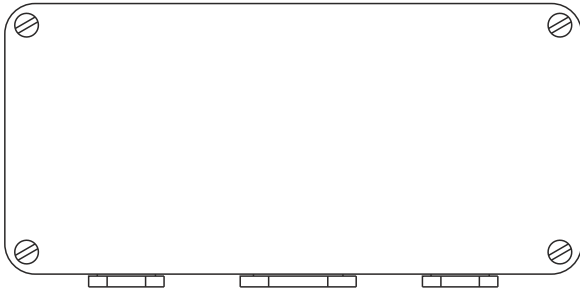


# AKO-80056 / 80057

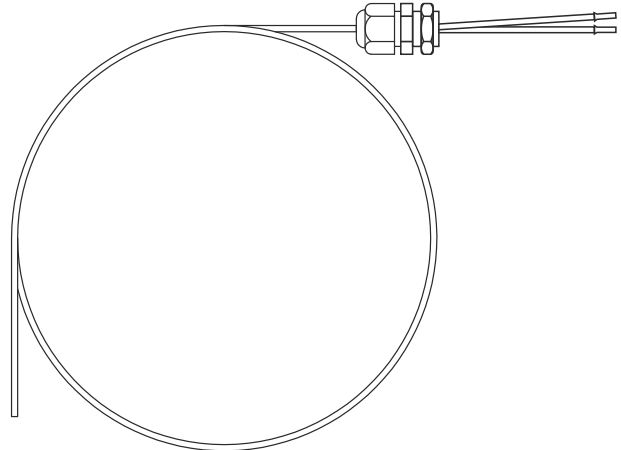
Junction box with Pt100 probe and 4-20 mA converter

## AKO-80057

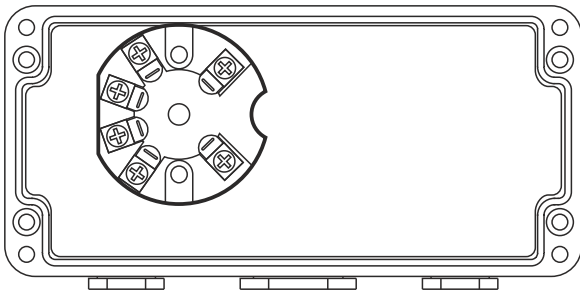
Junction box



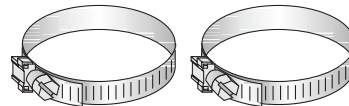
Probe



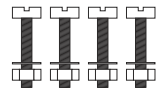
CONVERTERS DETAIL



2 Clamps



Screws



**AKO-80056** Junction box + two Pt100 probes + two converters + four clamps + screws

**AKO-80057** Junction box + Pt100 probe + converter + two clamps + screws

## Specifications

<b>Probe</b>	
Type	Pt100
Range	-50 °F (-45 °C) to 1100 °F (593 °C)
Sheath material	Stainless steel (AISI 316)
Diameter	1/8" (3 mm)
Length	5 ft (1.5 m)
Gland with nut	M16, Material: Polyamide
<b>Connection wires</b>	
Size	AWG 30 or AWG 24 (0.5 or 0.25 mm <sup>2</sup> )
Length	5.5" (140 mm)
Colours of insulation	Two red and one white
<b>Installation</b>	
Minimum bend radius	0.8" (20 mm)
<b>Converter</b>	
Power supply	10 to 36 Vdc
Input	Pt100 (-50 to 1100 °F)
Output	4 – 20 mA
Ambient exposure temperature	-40 °F (-40 °C) to 185 °F (85 °C)
<b>Junction box</b>	
Material	GFRP - Colour RAL 7000
Dimensions	2.9" x 6.2" x 2.9" (75 x 160 x 75 mm)
Weight	<b>AKO-80056:</b> 1,7 lb (0,77 kg) <b>AKO-80057:</b> 1,54 lb (0,7 kg)
Protection degree	Type 4
Entries	Closed by plugs, 2 x M16 + 1 x 1/2" NPT
Mounting	4 Stainless steel screws + nuts + washers
<b>Clamps</b>	
Maximum / minimum pipe diameter	14" / 2"
Material	Stainless steel
Quantity	Two for each probe
<b>General data</b>	
Approvals	UL for box and gland, FM for converter
<b>Replacements</b>	
<b>AKO-80059</b>	Pt100
<b>AKO-80058</b>	Pt100 to 4-20 mA converter

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We reserve the right to supply materials that might vary slightly to those described in our Technical Sheets. Updated information is available on our website.