
















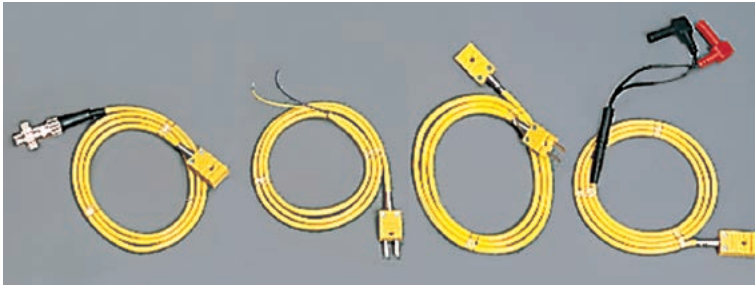
Sensors

K THERMOCOUPLE

Models	Description	Measurement range	Tolerance class	63% response time	Plunger diameter	Plunger length
 SK 20 / P01655010	Flexible general-purpose sensor made of inconel 600	-40°C to 450°C	Class 1	1 second	1.5 mm	1 m
 SK13 / P03652918	General-purpose sensor with stainless-steel sheath	-50°C to 1100°C	Class 2	12 seconds	3 mm	30 cm
 SK3 / P03652903	Semi-rigid general-purpose sensor with stainless-steel sheath	-50°C to 1000°C	Class 2	6 seconds	4 mm	50 cm
 SK2 / P03652902	Bendable general-purpose sensor with stainless-steel sheath	-50°C to 1000°C	Class 2	2 seconds	2 mm	1 m
 SK6 / P03652906	Flexible sensor not suitable for liquids	-50°C to 285°C	Class 2	1 second with contact 3 s ambient	1 mm	1 m
 SK7 / P03652907	Air sensor for ambient measurements	-50°C to 250°C	Class 2	5 seconds	5 mm	15 cm
 SK17 / P03652921	Air sensor for ambient measurements with handle and spiral cable	-50°C to 600°C	Class 2	5 seconds	6 mm	13 cm
 SK1 / P03652901	Needle sensor for penetration with stainless-steel sheath	-50°C to 800°C	Class 2	1 second	3 mm	15 cm
 SK11 / P03652917	Needle sensor for penetration with handle and stainless-steel sheath	50°C to 600°C	Class 2	12 seconds	3 mm	13 cm
 SK4 / P03652904	Sheathed surface sensor with stainless-steel sensing element and Teflon base	0°C to 250°C	Class 2	1 second	5 mm	15 cm
 SK14 / P03652919	Elbowed surface sensor	-50°C to 450°C	Class 2	8 seconds	6 mm	13 cm
 SK5 / P03652905	Surface sensor with spring	-50°C to 500°C	Class 2	1 second	5 mm, diameter in contact 8.5 mm	15 cm
 SK15 / P03652920	Surface sensor with spring and handle	-50°C to 900°C	Class 2	2 seconds	8 mm	13 cm
 SK8 / P03652908	Pipe sensor	-50°C to 140°C	Class 2	10 s on stainless-steel pipe Ø 12mm	90 mm	32 cm
 SK19 / P03652922	Magnetic sensor with magnet for flat metal surfaces.	-50°C to 200°C	Class 2	7 seconds	4 mm	1 m

Class 1: -40 °C... +375 °C: ± 1.5°C / +375 °C...+1,000°C : ± 0.004 x t°C · Class 2 : -40 °C... +333 °C : ± 2.5°C / +333 °C...+1,200°C : ± 0.0075 x t°C
Standard compensated miniature male 2-pole connector / Spiral cable: 45 cm to 1 m

EXTENSIONS FOR THERMOCOUPLES



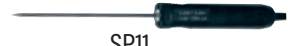




Models	CK3	CK 2	CK1	CK 4
	Description		∅	Length
CK 1	Terminated by male plug / female plug		4 mm	1 m
CK 2	Terminated by male plug / 2 bare wires		4 mm	1 m
CK 3	Terminated by 5-pin DIN plug / female socket		4 mm	1 m
CK 4	Terminated by 2 banana plugs / female socket		4 mm	1 m

Temperature withstand of extensions: -40 °C to +100 °C



PT100 Ω TEMPERATURE SENSORS

Models	Description	Measurement range	Tolerance class	63% response time	Plunger diameter	Plunger length
 SP14 P01655020	General-purpose sensor with stainless-steel sheath	-100 to 450°C	Class A	7 seconds	3 mm	20 cm
 SP10 P03652712	Surface sensor with spring	-50°C to 200°C	Class B	6 seconds	5 mm	13 cm
 SP11 P03652713	Stainless-steel needle sensor for penetration	-100°C to 600°C	Class B	7 seconds	3 mm	13 cm
 SP12 P03652714	Air sensor	-100°C to 600°C	Class B	5 seconds	5 mm	13 cm
 SP13 P03652715	Stainless-steel sensor for immersion	--100°C to 600°C	Class B	7 seconds	3 mm	13 cm

Class A: $0.15^{\circ}\text{C} + 0.002 \times [t]^{\circ}\text{C}$

Class B: $0.3^{\circ}\text{C} + 0.005 \times [t]^{\circ}\text{C}$ Miniature flat-pin connector, 3 poles · Spiral cable: 45 cm to 1m



Standard state at delivery:



Bag, 3 x 1.5 V AA alkaline batteries, USB cable, test report and quick start-up guide (Complete user manual and Data Logger Transfer software available from the Chauvin Arnoux website)

TO ORDER

- C.A 1821 Single-channel thermocouple thermometer** P01654821
- C.A 1822 Two-channel thermocouple thermometer** P01654822
- C.A 1823 Single-channel resistance thermometer** P01654823

Accessories / Replacement parts

K THERMOCOUPLE SENSORS

SK 1 P03652901	SK 6 P03652906	SK 14 P03652919
SK 2 P03652902	SK 7 P03652907	SK 15 P03652920
SK 3 P03652903	SK 8 P03652908	SK 17 P03652921
SK 4 P03652904	SK 11 P03652917	SK 19 P03652922
SK 5 P03652905	SK 13 P03652918	SK 20 P01655010

EXTENSIONS FOR THERMOCOUPLES

CK 1 P03652909	CK 3 P03652913
CK 2 P03652910	CK 4 P03652914

PT100 Ω TEMPERATURE SENSORS

SP 10 P03652712	SP 12 P03652714
SP 11 P03652713	SP 13 P03652715
	SP 14 P01655020

Handle for K TC extension P03652912	Bag P01298075
Connector for K thermocouple P03652925	Metal case P01298071
Shockproof sheath + Multifix P01654252	Dataview software P01102095
Multifix P01102100Z	Bluetooth BLE / USB modem for PC P01654253
Mains adapter P01651023	4 x AA/LR6 NiMH Batteries + Battery charger HX0053

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