

3.6 Optional probes and cables for KT 320 data loggers









All the probes for the **KT 320** data loggers have the **smart plug** technology. An automatic recognition and the adjustment parameters storage make them 100% interchangeable.

Part No.	Description	Measuring ranges	Accuracies*	Image & dimensions
<i>External or ambient thermo-hygrometric probes</i>				
KITHA	Interchangeable hygrometry and ambient temperature probe	0 to 100%RH -4 to 158°F (-20 to 70°C)	±2%RH from 5 to 95%RH @ 59°F to 77°F (15 to 25°C) Temp: ±0.8°F from 32 to 122°F (±0.4°C from 0 to 50°C) ±1.5°F below 32°F or above 122°F (±0.8°C below 0°C or above 50°C)	 3.7" (94.5 mm)
KITHP-130	Remote interchangeable hygrometry and temperature probe	0 to 100%RH -4 to 158°F (-20 to 70°C)	±2%RH from 5 to 95%RH @ 59°F to 77°F (15 to 25°C) Temp: ±0.8°F from 32 to 122°F (±0.4°C from 0 to 50°C) ±1.5°F below 32°F or above 122°F (±0.8°C below 0°C or above 50°C)	 5.12" (130 mm)
KITHI-150	Remote interchangeable hygrometry and temperature probe	0 to 100% RH -40 to 356°F (-40 to 180°C)	±1.5%RH from 5 to 95%RH @ 59 to 77°F (15 to 25°C) ±0.6°F from -40 to 32°F ±(0.2% of reading +0.6°F) from 32 to 356°F (±0.3% of reading ±0.25°C)	 5.9" (150 mm)
<i>General use or insertion Pt100 temperature probes</i>				
KIRGA-50	Immersion probe (IP 65)	-40 to 248°F (-40 to 120°C)	±0.6°F from -40 to 32°F ±(0.3% of reading +0.5°F) from 32 to 248°F (±0.4% of the reading +0.3°C) from -40 to 120°C)	 Ø0.24" x 1.97" (Ø6 x 50 mm)
KIRGA-150	Immersion probe (IP 65)	-40 to 248°F (-40 to 120°C)	±0.6°F from -40 to 32°F ±(0.3% of reading +0.5°F) from 32 to 248°F (±0.4% of the reading +0.3°C from -40 to 120°C)	 Ø0.24 x 5.9" (Ø6 x 150 mm)
KIRAM-150	Ambient probe	-40 to 248°F (-40 to 120°C)	±0.6°F from -40 to 32°F ±(0.3% of reading +0.5°F) from 32 to 248°F (±0.4% of the reading +0.3°C from -40 to 120°C)	 Ø0.24 x 5.9" (Ø6 x 150 mm)
KIRPA-150	Penetration probe (IP 65)	-58 to 482°F (-50 to 250°C)	±0.6°F from -58 to 32°F ±(0.3% of reading +0.5°F) from 32 to 482°F (±0.4% of the reading +0.3°C from -50 to 250°C)	 Ø0.24 x 5.9" (Ø6 x 150 mm)
KIPI3-150-E	Penetration probe with handle (IP 68)	-58 to 482°F (-50 to 250°C)	±0.6°F from -58 to 32°F ±(0.3% of reading +0.5°F) from 32 to 482°F (±0.4% of the reading +0.3°C from -50 to 250°C)	 Ø0.12" x 5.9" (Ø3 x 150 mm)
KICA-320	Smart adapter for Pt100 probe	-328 to 1112°F according to the probe (-200 to 600°C)	N/A	 Ø0.12" x 5.9" (Ø3 x 150 mm)
<i>Input current, voltage and impulsion cables</i>				
KICT	Voltage input cable	0 to 5V or 0 to 10V	±0.2% of the measurement ±1mV	
KICC	Current input cable	0 to 20 mA or 4 to 20 mA	±0.2% of the measurement ±1µA	
KICI	Pulse input cable	Maximal voltage: 5V Type of input: TTL frequency counting Maximal frequency: 10 KHz		

*All accuracies specified in this document were conducted under laboratory conditions and can be guaranteed for measurements carried out in the same conditions, or carried out with compensation.

3.7 Thermocouple probes for KTT 320 data loggers

All the thermocouple temperature probes for the KTT 320 data loggers have a class 1 sensitive element as per IEC 584-1, 2 and 3 standards.

Part No.	Description	Measuring ranges	Accuracies*	T ₉₉ **	Image & dimensions
<i>Pipes</i>					
SKV 150	Contact probe with velcro Velcro fixing for Ø 3.94" (Ø 100 mm) maxi pipes with cable (Tc K)	-4 to 194°F (-20 to 90°C)	±2.7°F (±1.5°C)	50 s	
SKCT	Contact probe with lamella for Ø 0.34" to 1.97" pipes (Ø 10 to 50 mm) with spring handle and straight cable (Tc K)	-40 to 302°F (-40 to 150°C)	±2.7°F (±1.5°C)	15 s	
<i>Contact</i>					
SCLK 150	Contact probe with lamella with handle and coiled cable (Tc K)	-40 to 482°F (-40 to 250°C)	±2.7°F (±1.5°C)	5 s	 5.9" (150 mm) Ø0.59" (Ø15 mm)
SCLCK 150	Contact probe with lamella, angled at 90° with handle and coiled cable (Tc K)	-40 to 482°F (-40 to 250°C)	±2.7°F (±1.5°C)	5 s	 5.9" (150 mm) Ø0.59" (Ø15 mm)
<i>Penetration</i>					
SPK 150	Penetration probe. Stainless steel contact tip with pointed contact tip, handle and coiled cable (Tc K)	-40 to 482°F (-40 to 250°C)	±2.7°F (±1.5°C)	30 s	 5.9" (150 mm) Ø0.12" (Ø3 mm)
<i>Immersion</i>					
SIT 300 BT	Very low temperature immersion probe. Deformable lined contact tip with handle and coiled cable. (Tc T)	-328 to 122°F (-200 to 50°C)	±1.5% of reading from -328 to -88.6°F (±1.5% of reading from -200 to -67°C) ±1.8°F from -88.6 to -40°F (±1°C from -67 to -40°C) ±0.9°F from -40 to 122°F (±0.5°C from -40 to 50°C)	2 s	 11.81", Ø0.06" (300 mm, Ø1.5 mm)

* All accuracies specified in this document were conducted under laboratory conditions and can be guaranteed for measurements carried out in the same conditions, or carried out with compensation.

** Response time. Under application condition.