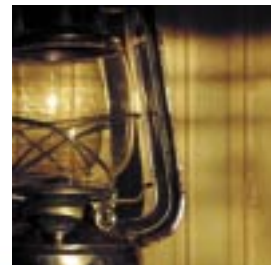
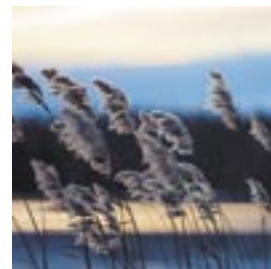
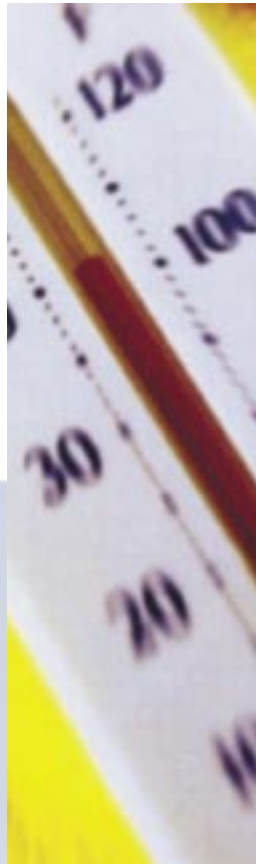
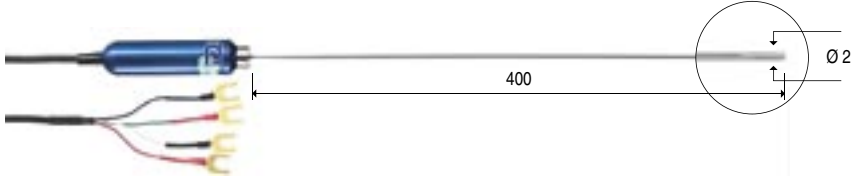
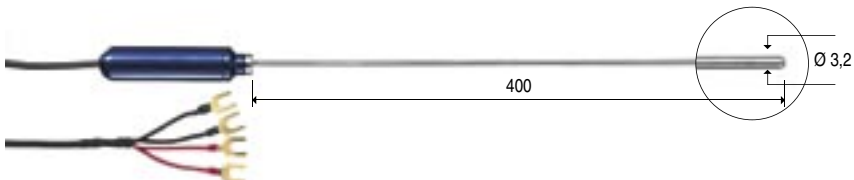


Probes


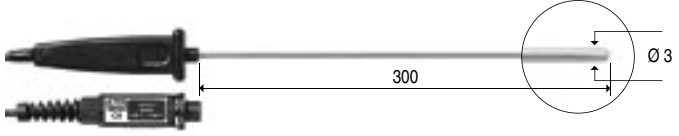
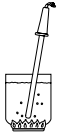
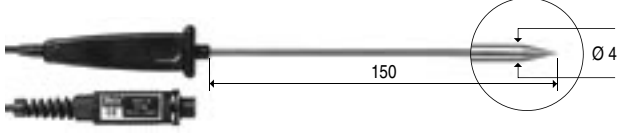
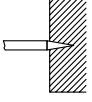
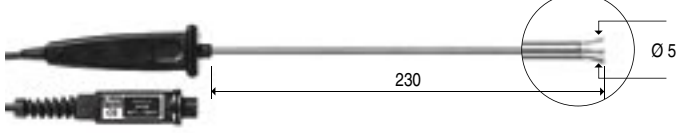
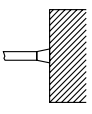
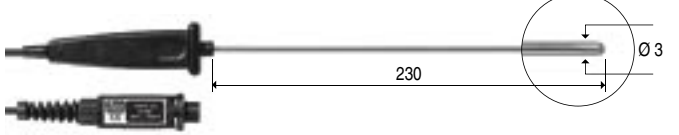

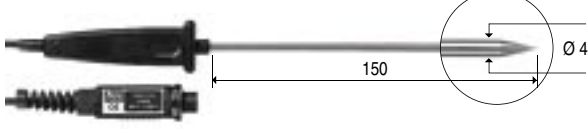
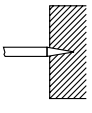
- Pt100, Pt1000 temperature probes.
- Thermocouple temperature probes.
- Temperature and relative humidity probes.
- Pressure probes.
- Air speed probes.
- Photometric and radiometric probes.
- Probes for sound level meters.
- Probes for multifunction instrument.




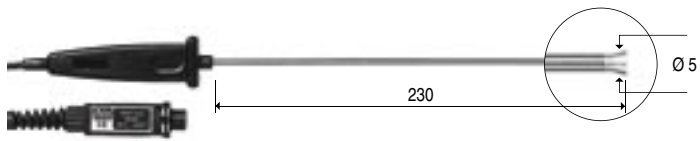
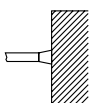
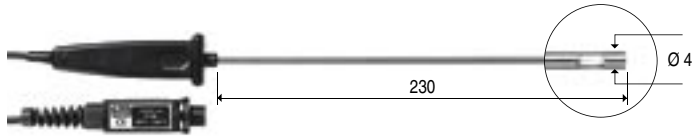

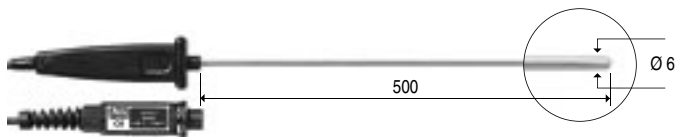
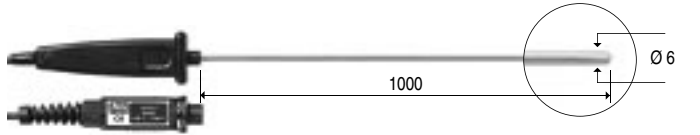
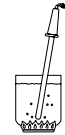
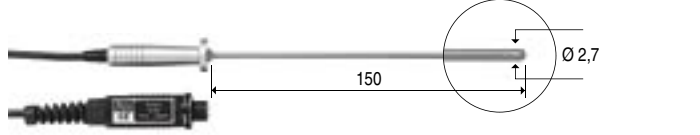
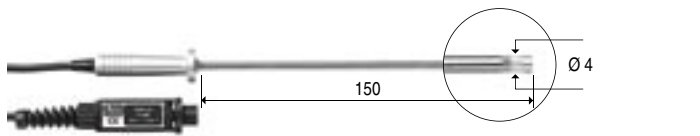
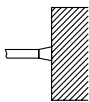
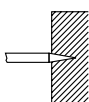
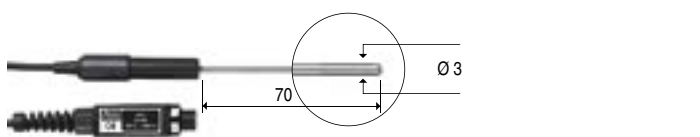
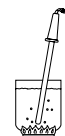
TEMPERATURE PROBES FOR METROLOGICAL LABORATORY

CODE	DIMENSIONS
<p align="center">TPMSN 350 240</p>	 <p>Thermometer with a Pt100 Platinum resistance $\alpha=0,00385^{\circ}\text{C}^{-1}$ for metrological temperature laboratory. External diameter 2mm, length 400mm under the head, 4-wire extension cable L=2000mm, range -200... +400°C, recommended -200+ +250°C. Stainless steel sheath AISI 316 SS. Stability/repeatability: $\pm 0,01^{\circ}\text{C}/400$ hours. Complete with carrying case.</p>
<p align="center">TPMSN 140 340</p>	 <p>Thermometer with a Pt100 Platinum resistance $\alpha=0,00385^{\circ}\text{C}^{-1}$ for metrological temperature laboratory. External diameter 3,2mm, length 400mm under the head, 4-wire extension cable L=2000mm, range -200°C... +400°C, recommended -80+ +400°C. Stainless steel sheath AISI 316 SS. Stability/repeatability: $\pm 0,01^{\circ}\text{C}/400$ hours. Complete with carrying case.</p>

Pt100 PROBES WITH SICRAM MODULE FOR PORTABLE INSTRUMENTS


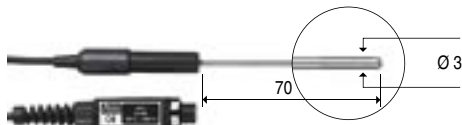
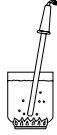

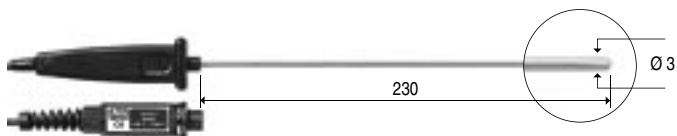
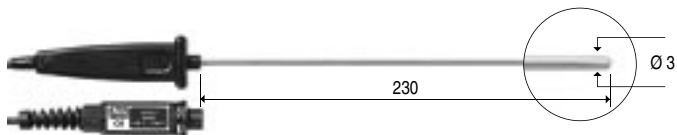

CODE	°C max	τ s	DIMENSIONS	USE	
<p align="center">TP472I</p>	<p align="center">-196 +500</p>	<p align="center">3s</p>			<p>HD2101.1 HD2101.2 HD2103.1 HD2103.2 HD2105.1 HD2105.2</p>
<p align="center">TP473P</p>	<p align="center">-50 +400</p>	<p align="center">5s</p>			<p>HD2106.1 HD2106.2 HD2156.1 HD2156.2 HD2107.1 HD2107.2 HD2109.1</p>
<p align="center">TP474C</p>	<p align="center">-60 +400</p>	<p align="center">5s</p>			<p>HD2109.2 HD2114.0 HD2114.2 HD2134.0 HD2134.2 HD2164.0 HD2164.2 HD2114B.0</p>
<p align="center">TP472I.0</p>	<p align="center">-50 +400</p>	<p align="center">3s</p>			<p>HD2114B.2 HD2124.1 HD2124.2 HD2127.1 HD2127.2 HD2178.1 HD2178.2</p>
<p align="center">TP473P.0</p>	<p align="center">-50 +400</p>	<p align="center">5s</p>			<p>HD2301.0 HD2303.0 HD2304.0 HD2305.0 HD2306.0 HD2307.0</p>

Pt100 PROBES WITH SICRAM MODULE FOR PORTABLE INSTRUMENTS

CODE	°C max	τ s	DIMENSIONS	USE	
TP474C.0	-50 +400	5s			
TP475A.0	-50 +250	10s			
TP472I.5	-50 +400	3s			
TP472I.10	-50 +400	3s			
TP49A	-70 +400	3,5s			
TP49AC	-70 +400	5,5s			
TP49AP	-70 +400	4s			
TP87	-50 +200	3s			


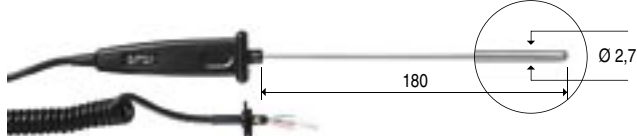

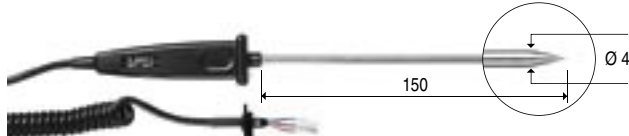
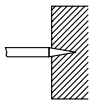
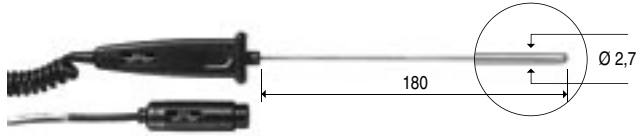
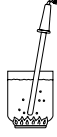
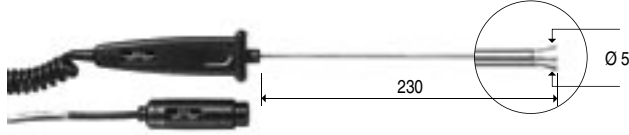
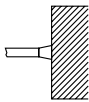
HD2101.1
 HD2101.2
 HD2103.1
 HD2103.2
 HD2105.1
 HD2105.2
 HD2106.1
 HD2106.2
 HD2156.1
 HD2156.2
 HD2107.1
 HD2107.2
 HD2109.1
 HD2109.2
 HD2114.0
 HD2114.2
 HD2134.0
 HD2134.2
 HD2164.0
 HD2164.2
 HD2114B.0
 HD2114B.2
 HD2124.1
 HD2124.2
 HD2127.1
 HD2127.2
 HD2178.1
 HD2178.2
 HD2301.0
 HD2303.0
 HD2304.0
 HD2305.0
 HD2306.0
 HD2307.0

PROBES FOR PORTABLE INSTRUMENTS WITH TP47 MODULE


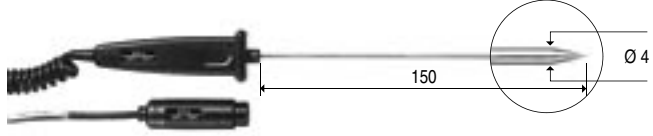
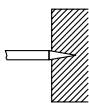
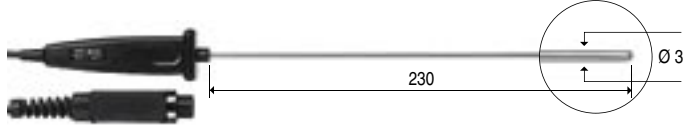
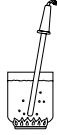
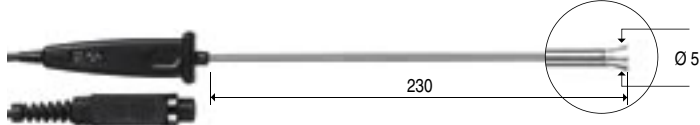
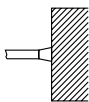
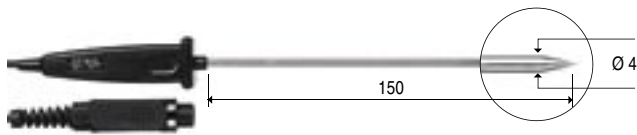
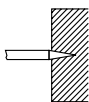
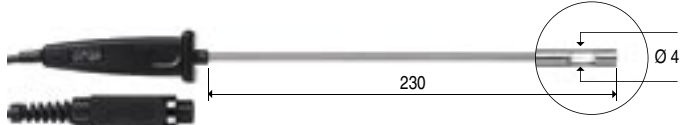


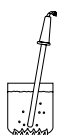
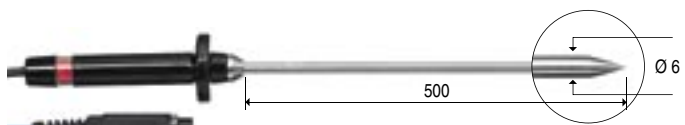
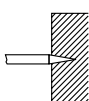
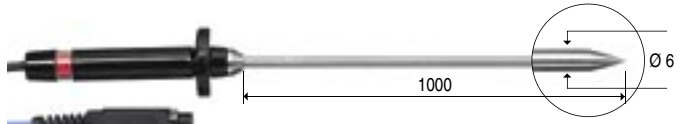
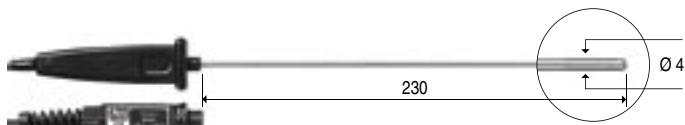
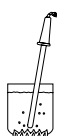
CODE	°C max	τ s	DIMENSIONS	USE	
TP87.100 (Pt100) TP87.1000 (Pt1000)	-50 +200	3s			
TP47.100 (Pt100)	-50 +400	3s			
TP47.1000 (Pt100)	-50 +400	3s			
TP47	Only connector for probe connection: direct 4 wire Pt100, 3 wire Pt100, 2 wire Pt1000 and 2 wire Ni1000				

- HD2101.1
- HD2101.2
- HD2103.1
- HD2103.2
- HD2105.1
- HD2105.2
- HD2106.1
- HD2106.2
- HD2156.1
- HD2156.2
- HD2107.1
- HD2107.2
- HD2109.1
- HD2109.2
- HD2114.0
- HD2114.2
- HD2134.0
- HD2134.2
- HD2164.0
- HD2164.2
- HD2114B.0
- HD2114B.2
- HD2124.1
- HD2124.2
- HD2127.1
- HD2127.2
- HD2178.1
- HD2178.2
- HD2301.0
- HD2303.0
- HD2304.0
- HD2305.0
- HD2306.0
- HD2307.0






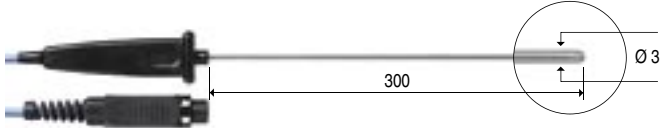
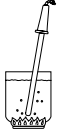
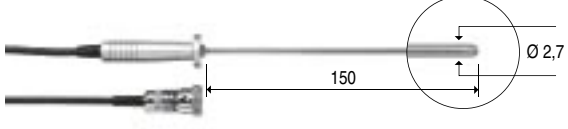
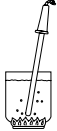
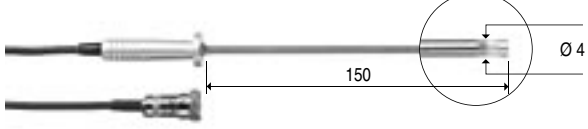

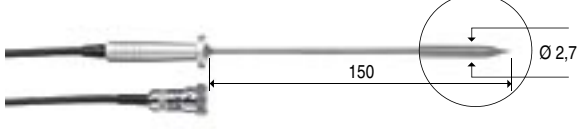

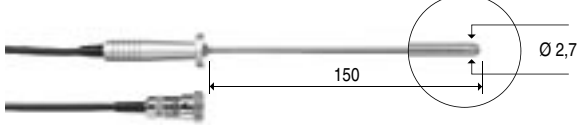
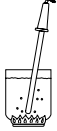
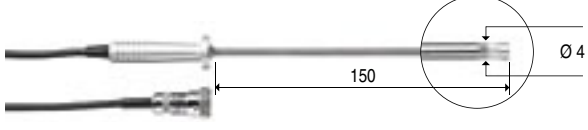

Pt100 SENSOR PROBES

CODE	°C max	τ s	DIMENSIONS	USE	
S8601P	-50 +200	3,5s			HD8601
S8601PP	-50+200	5s			HD8601/P
STS3	-50 +150	3,5s			HD8501
STS3/C	-50 +150	5s			


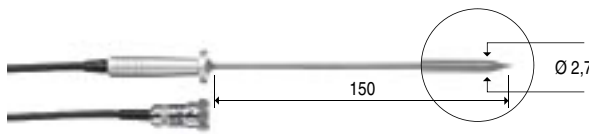
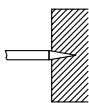
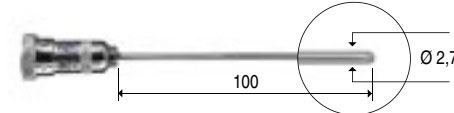
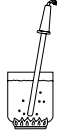
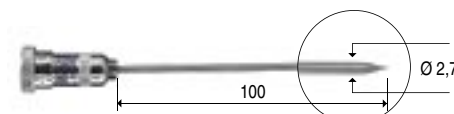
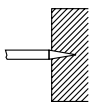
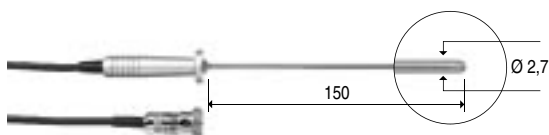
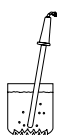
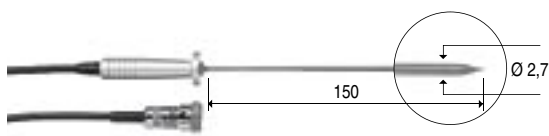
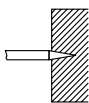
Pt100 SENSOR PROBES

CODE	°C max	τ s	DIMENSIONS	USE	
STS3/P	-50 +150	5s			HD8501
TP870	-50 +400	3s			HD9010 HD8602 HD8705 HD8706 HD8804 HD8901 HD9117 HD9021 DO9406 DO9505 DO9417 DO9704 DO9709 DO9721
TP870C	-50 +400	5s			
TP870P	-50 +400	3s			
TP870A	-50 +250	12s			
TP871	-50 +200	3s			
TP872/500	-50 +400	10s			
TP872/1000					
TP873	-50 +500	6s			

Pt100 SENSOR PROBES


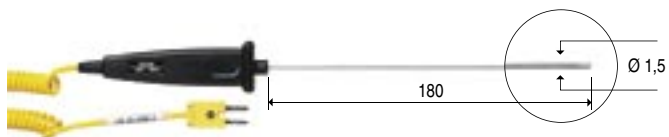
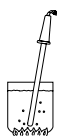

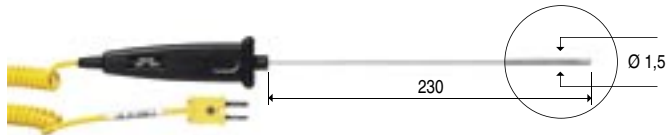
CODE	°C max	τ s	DIMENSIONS	USE	
TP874	-30 +200	3s			
TP875	-10 +100		 Globe-thermometer probe for measurement of radiant heat with ϕ 150mm. ISO 7243 ISO 7726. Pt100 sensor, 4-wire cable, L=2m.		HD9010 HD8602 HD8705 HD8706 HD8804 HD8901 HD9117 HD9021 DO9406 DO9505 DO9417 DO9704 DO9709 DO9721
TP876	-10 +100		 Globe-thermometer probe for measurement of radiant heat with ϕ 50mm. ISO 7243 ISO 7726. Pt100 sensor, 4-wire cable, L=2m.		
TP877	-200 +400	3s			
TP9A CLASS A	-70 +400	3,5s			
TP9AC CLASS A	-70 +400	5,5s			
TP9AP CLASS A	-70 +400	4s			HD9212 HD9213 HD9214 HD9215 HD9216 HD9219 HD9220
TP93 CLASS 1/3 DIN	-70 +400	3,5s			
TP93C CLASS 1/3 DIN	-70 +400	5,5s			

Pt100 SENSOR PROBES



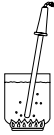
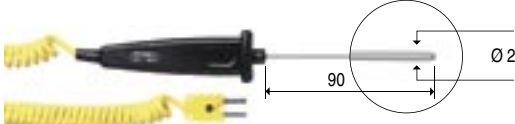
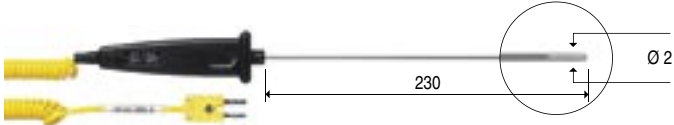
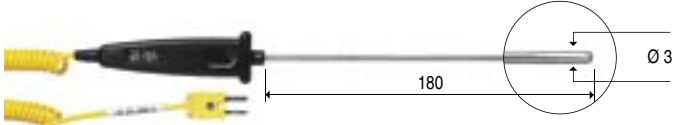

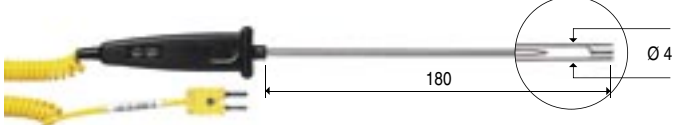
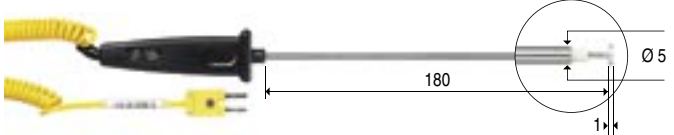
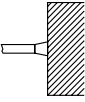
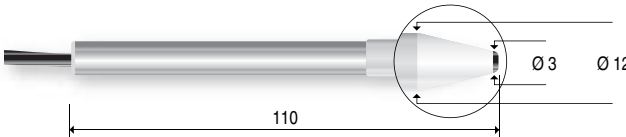
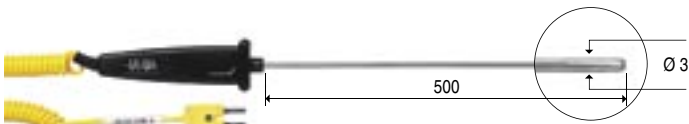
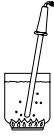
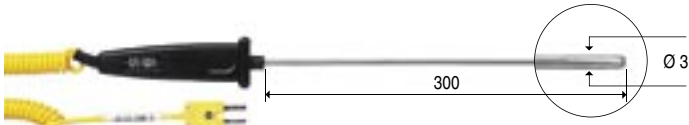
CODE	°C max	τ s	DIMENSIONS	USE	
TP93P CLASS 1/3 DIN	-70 +400	4s			
TP932 CLASS 1/3 DIN	-70 +200	3,5s			
TP932P CLASS 1/3 DIN	-70 +40	4s			
TP95 CLASS 1/5 DIN	-70 +400	3,5s			
TP95P CLASS 1/5 DIN	-70 +400	4s			

HD9212
HD9213
HD9214
HD9215
HD9216
HD9219
HD9220


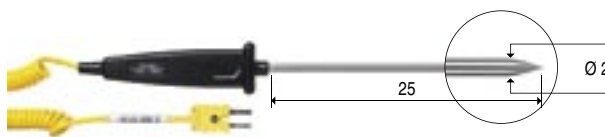
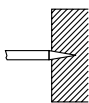
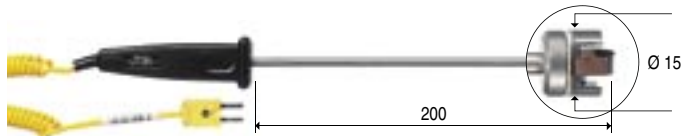
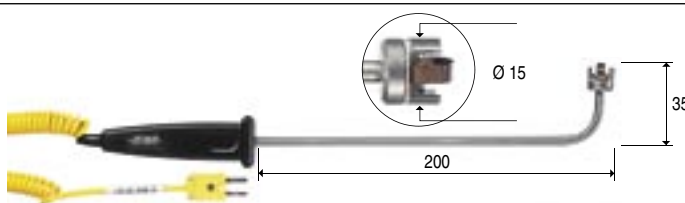
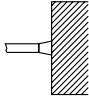
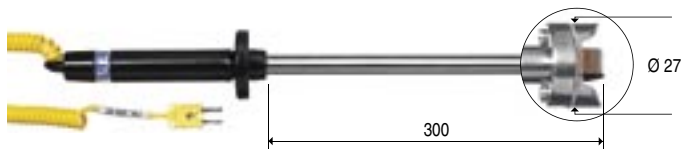
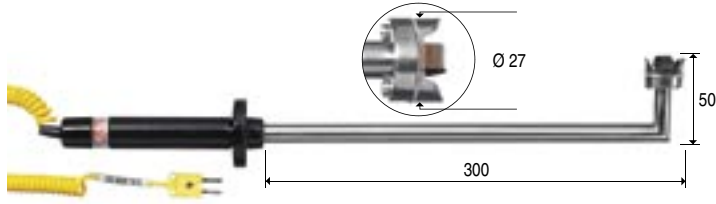
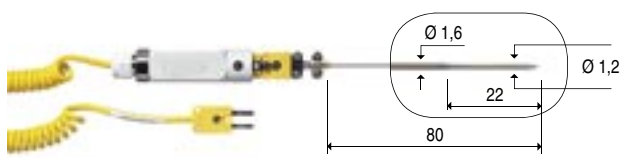

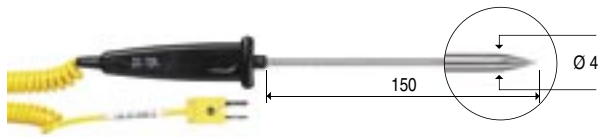
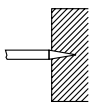

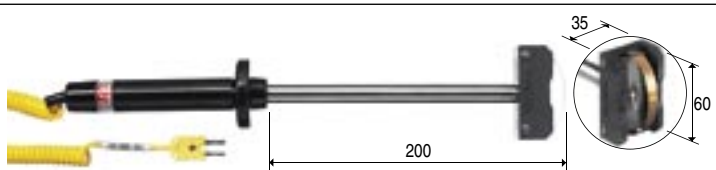
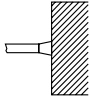
THERMOCOUPLE K TYPE PROBES (CHROMEL - ALUMEL)

CODE	°C max	τ s	DIMENSIONS	USE	
TP741	800	2s			HD8802 HD8704 HD9016 HD9218 DO9416 DO9847 HD2328 HD2108.1 HD2108.2 HD2128.1 HD2128.2 HD2178.1 HD2178.2 HD2114P.0 HD2114P.2 HD2134P.0 HD2134P.2
TP741/1	400	2s			
TP741/2	800	2s			

THERMOCOUPLE K TYPE PROBES (CHROMEL - ALUMEL)



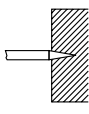
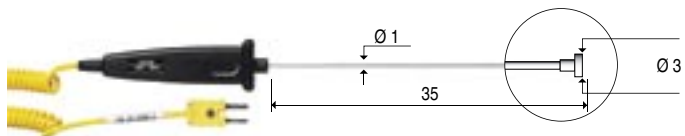
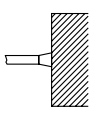
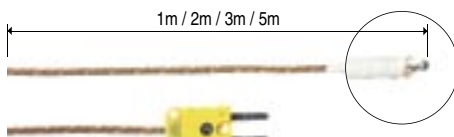
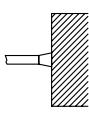
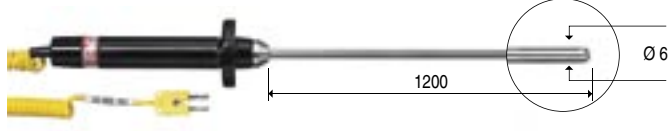

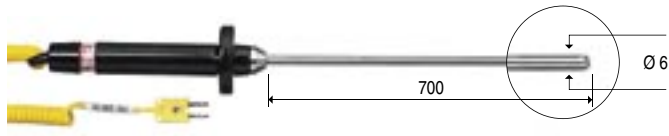

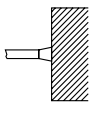
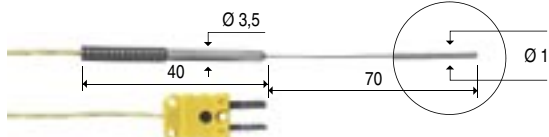
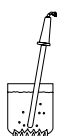
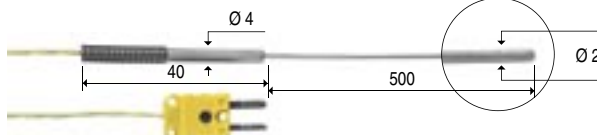
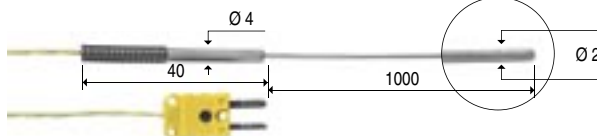
CODE	°C max	τ s	DIMENSIONS	USE	
TP742	800	2s			<ul style="list-style-type: none">HD8802HD8704HD9016HD9218DO9416DO9847HD2328HD2108.1HD2108.2HD2128.1HD2128.2HD2178.1HD2178.2HD2114P.0HD2114P.2HD2134P.0HD2134P.2
TP742/1	800	2s			
TP742/2	800	2s			
TP743	800	3s			
TP744	400	4s			
TP745	500	3s			
TP746	250	2s			
TP750	1000	3s			
TP750.0	800	3s			


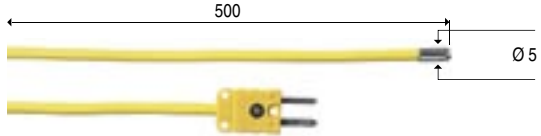



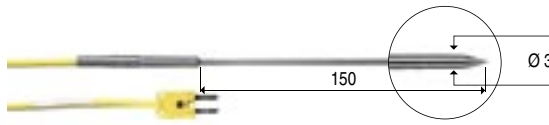
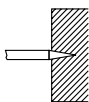
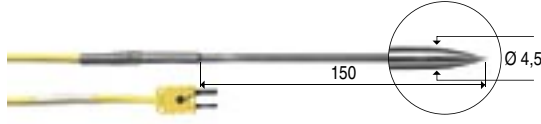




THERMOCOUPLE K TYPE PROBES (CHROMEL - ALUMEL)

CODE	°C max	τ s	DIMENSIONS	USE	
TP751	250	2s			
TP754	500	2s			
TP754/9	500	2s			
TP755	800	2s			
TP755/9	800	2s			
TP756	200	2s			
TP758	400	4s			
TP772	400	3s			
TP774	250	2s			

HD8802
 HD8704
 HD9016
 HD9218
 DO9416
 DO9847
 HD2328
 HD2108.1
 HD2108.2
 HD2128.1
 HD2128.2
 HD2178.1
 HD2178.2
 HD2114P.0
 HD2114P.2
 HD2134P.0
 HD2134P.2

THERMOCOUPLE K TYPE PROBES (CHROMEL - ALUMEL)

CODE	°C max	τ s	DIMENSIONS	USE	
TP776	400	2s			
TP777	400	3s			
TP647	400	2s			
TP647/2	400	2s			
TP647/3	400	2s			
TP647/5	400	2s			
TP651	1200	6s			HD8802 HD8704 HD9016 HD9218 DO9416 DO9847 HD2328 HD2108.1 HD2108.2 HD2128.1 HD2128.2 HD2178.1 HD2178.2 HD2114P.0 HD2114P.2 HD2134P.0 HD2134P.2
TP652	1200	6s			
TP655	180	2s			
TP656	400	1s			
TP656/1	1000	1s			
TP656/2	1000	1s			

THERMOCOUPLE K TYPE PROBES (CHROMEL - ALUMEL)					
CODE	°C max	τ s	DIMENSIONS	USE	
TP657/1	200	5s			HD8802 HD8704 HD9016 HD9218 DO9416 DO9847 HD2328 HD2108.1 HD2108.2 HD2128.1 HD2128.2 HD2178.1 HD2178.2 HD2114P.0 HD2114P.2 HD2134P.0 HD2134P.2
TP658	100	2s			
TP659	500	3s			
TP660	500	4s			
TP661	-60 +50	30s			
CN CS	"K" "K"		 		
PW	"K"				

Response time for a 63% variation ($\tau_{0.63}$)



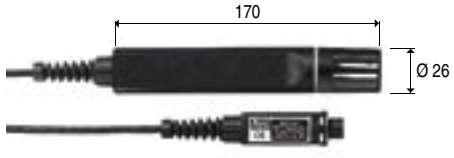
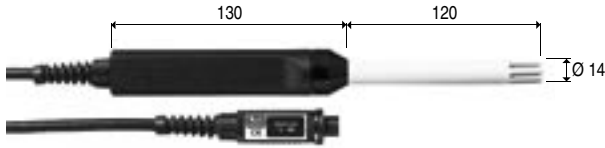
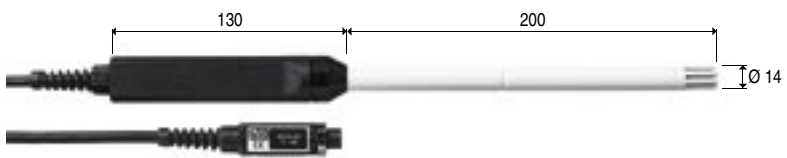
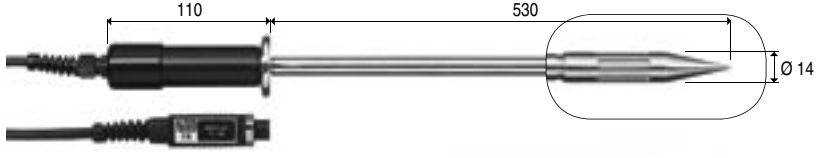
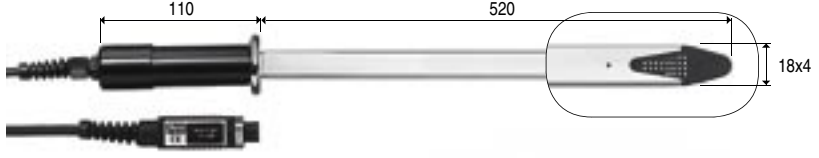
The response time τ s is the reaction time of the sensor to a temperature variation, with a signal variation when measuring that corresponds to a given percentage (63%) of the variation.

Response time is referred:

- For immersion probes in water at 100°C
- For surface probes in contact with metals surface at 200°C
- For air probe at an air temperature of 100°C

At temperature above 400°C avoid hard knocks or thermal shocks which could cause irremediable damage to the Pt100 Sensor

RELATIVE HUMIDITY AND TEMPERATURE PROBES FOR PORTABLE INSTRUMENTS - ACCESSORIES


Code	Sensors	Range RH - Temp.		
HD472AC	RH Pt100			HD2101.1 HD2101.2 HD2301.0
HD572AC	RH TC.K	5 ÷ 98% RH -20°C...+80°C		
HD473AC				
HD474AC				
HD475AC		5 ÷ 98% RH -40°C...+150°C		
HD477AC				

SATURATED SOLUTION HD75 HD33 HD11			Probe fixing adapter 24x1,5 HD472AC - HD572AC - HD85015S - HD8501SMC HD9216S
			Probe fixing adapter 12x1 HD473AC - HD474AC - HD475AC - HD8501SAT500 HD9216 SAT500

PROTECTIONS P1 P2 P3 P4	Ø 26	M 24x1,5							
	P5 P6 P7	Ø 14	M 12x1	P1	P2	P3	P4	P5	P6










PRESSURE PROBES: RELATIVE, ABSOLUTE, DIFFERENTIAL, FOR PORTABLE INSTRUMENTS

PRESSURE PROBE TABLE

Full scale pressure	Maximum overpressure	ORDER CODE			Accuracy From 20 to 25°C	Functioning temperature	Connection	
		Differential pressure	Relative pressure (compared to atmosphere)	Absolute pressure				
		NON insulated membrane	Insulated membrane	Insulated membrane				
10.0 mbar	20.0 mbar	TP705-10MBD			0.50 % FSO	0...60°C	Tube Ø 5mm	HD2124.1 HD2124.2 HD2304.0 HD2114.0 HD2114.2 HD2134.0 HD2134.2 HD2164.0 HD2164.2 HD2114B.0 HD2114B.2 DO9704
20.0 mbar	40.0 mbar	TP705-20MBD			0.50 % FSO	0...60°C	Tube Ø 5mm	
50.0 mbar	100 mbar	TP705-50MBD			0.50 % FSO	0...60°C	Tube Ø 5mm	
100 mbar	200 mbar	TP705-100MBD			0.25 % FSO	0...60°C	Tube Ø 5mm	
200 mbar	400 mbar	TP705-200MBD			0.25 % FSO	0...60°C	Tube Ø 5mm	
			TP704-200MBGI		0.25 % FSO	0...80°C	¼ BSP	
500 mbar	1000 mbar	TP705-500MBD			0.25 % FSO	0...60°C	Tube Ø 5mm	
			TP704-500MBGI		0.25 % FSO	0...80°C	¼ BSP	
1.00 bar	2.00 bar	TP705-1BD	TP705BARO		0.25 % FSO	0...60°C	Tube Ø 5mm	
			TP705-1BGI		0.25 % FSO	0...80°C	¼ BSP	
2.00 bar	4.00 bar	TP705-2BD			0.25 % FSO	0...60°C	Tube Ø 5mm	
			TP704-2BGI	TP704-2BAI	0.40 % FSO	0...80°C	¼ BSP	
5.00 bar	10.00 bar		TP704-5BGI	TP704-5BAI	0.40 % FSO	0...80°C	¼ BSP	
10.0 bar	20.0 bar		TP704-10BGI	TP704-10BAI	0.40 % FSO	0...80°C	¼ BSP	
20.0 bar	40.0 bar		TP704-20BGI	TP704-20BAI	0.40 % FSO	0...80°C	¼ BSP	
50.0 bar	100.0 bar		TP704-50BGI	TP704-50BAI	0.40 % FSO	0...80°C	¼ BSP	
100 bar	200 bar			TP704-100BAI	0.40 % FSO	0...80°C	¼ BSP	
200 bar	400 bar			TP704-200BAI	0.40 % FSO	0...80°C	¼ BSP	
500 bar	750 bar			TP704-500BAI	0.40 % FSO	0...80°C	¼ BSP	


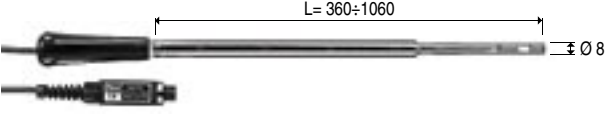
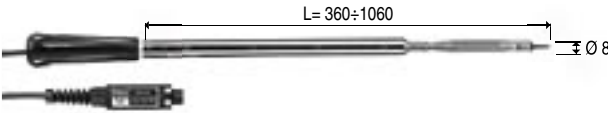


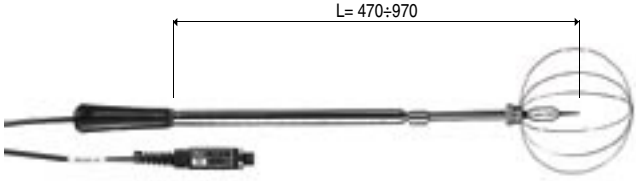
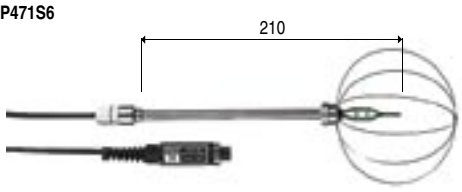
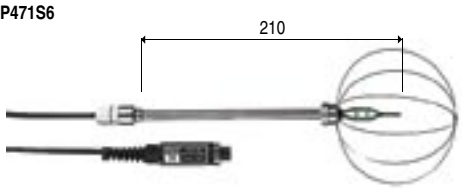






PRESSURE PROBES: RELATIVE, ABSOLUTE, DIFFERENTIAL, FOR PORTABLE INSTRUMENTS







Code	Differential pressure f.s.	Max. overpressure		
PP472 Barometric	600÷1100 mbar absolute	3 bar		
PP473S1	10 mbar	200 mbar		
PP473S2	20 mbar			
PP473S3	50 mbar			
PP473S4	100 mbar		300 mbar	
PP473S5	200 mbar	1 bar		
PP473S6	500 mbar			
PP473S7	1000 mbar	3 bar		
PP473S8	2000 mbar	6 bar		

DO2003
DO9847

AIR SPEED PROBES FOR PORTABLE INSTRUMENTS

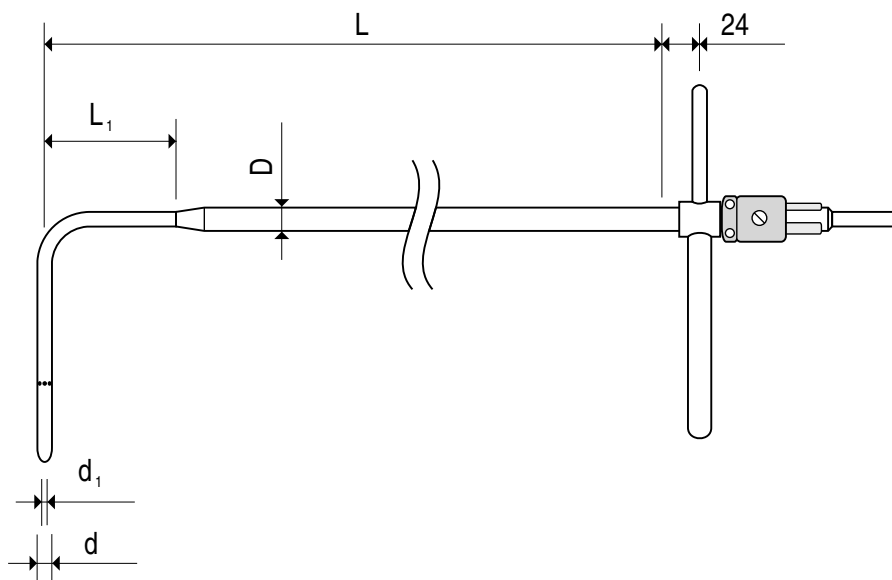
Code	Range m/s	Range Temp. °C				
HOT-WIRE						
AP471S1	0÷40	-30÷110				
AP471S2	0÷5					
AP471S3	0÷40					
AP471S4	0÷5	0÷80			DO2003 DO9847 HD2103.1 HD2103.2 HD2303.0	
AP471S5						
AP471S6						
VANE						
AP472S1L	0,6÷20	-25÷80				
AP472S1H	10÷30					
AP472S2	0,25÷20					
AP472S4L	0,6÷20					
AP472S4LT	0,6÷20		-30÷120			
AP472S4H	10÷50		-25÷80			
AP472S4HT	10÷50	-30÷120				
AST1	Telescopic shaft min. length 220 mm Telescopic shaft max. length 870 mm					

MODULES FOR PITOT TUBES

Code	Range Press. Diff. mbar	Range Speed m/s		
AP473S1	10 f.s.	2÷40		DO2003 DO9847
AP473S2	20 f.s.	2÷55		
AP473S3	50 f.s.	2÷90		
AP473S4	100 f.s.	2÷130		
PW	Connection cable between module AP473S... and Pitot tube provided with TC			











PITOT TUBES

Stainless steel Pitot tubes to measure air speed and temperature for models provided with 'K' thermocouple. They can be connected to the SICRAM modules AP473S1, AP473S2, AP473S3 and AP473S4













	d mm	d ₁ mm	D mm	L mm	L ₁ mm	Temp. °C	Thermocouple K	Material
T1-300	3	1	6	300	30	0...600°C	---	AISI 316
T2-400	5	2	8	400	45		---	
T2-600	5	2	8	600	45		---	
T3-500	8	3.2	8	500	---		---	
T3-800	8	3.2	8	800	---		---	
T3-800TC	8	3.2	8	800	---		TC	
T4-500	10	4.0	10	500	---		---	
T4-800	10	4.0	10	800	---		---	
T4-800TC	10	4.0	10	800	---		TC	
T4-1000	10	4.0	10	1000	---		---	
T4-1000TC	10	4.0	10	1000	---		TC	












PHOTOMETRIC AND RADIOMETRIC PROBES FOR PORTABLE INSTRUMENTS

Code	Description		
LP471PHOT	Photometric probe for ILLUMINANCE measurement, spectral response in agreement with standard photopic vision, diffuser for cosine correction. Measurement range: 0.01 lux...200·10 ³ lux. CIE69, UNI11142		
LP471LUM2	Photometric probe for LUMINANCE measurement, spectral response in agreement with standard photopic vision, vision angle 2°. Measurement range: 0.1 cd/m ² ...2000·10 ³ cd/m ² .		
LP471PAR	Quantum radiometric probe for the measurement of the photon flow across the chlorophyll range PAR (Photosynthetically Active Radiation 400nm...700nm), measurement in µmol/m ² s. Measurement range: 0.01µmol/m ² s...10·10 ³ µmol/m ² s.		
LP471RAD	Radiometric probe for IRRADIANCE measurement in the spectral range 400nm...1050nm, diffuser for cosine correction. Measurement range: 0.1·10 ⁻³ W/m ² ...2000 W/m ² .		HD2102.1 HD2102.2 HD2302.0
LP471UVA	Radiometric probe for IRRADIANCE measurement, in the 315nm...400nm, peak 360nm, UVA spectral range. Measurement range: 0.1·10 ⁻³ W/m ² ...2000 W/m ² .		
LP471UVB	Radiometric probe for IRRADIANCE measurement, in the spectral range 280nm...315nm, peak 305nm, UVB . Measurement range: 0.1·10 ⁻³ W/m ² ...2000 W/m ² .		
LP471UVC	Radiometric probe for IRRADIANCE measurement, in the spectral range 220nm...280nm, peak 260nm, UVC . Measurement range: 0.1·10 ⁻³ W/m ² ...2000 W/m ² .		
LP471ERY	Radiometric probe for EFFECTIVE TOTAL IRRADIANCE (W _{eff} /m ²) according to the UV action curve (CIE EN 60335-2-27). Spectral range: 250 nm...400 nm, Measurement range: 0.1·10 ⁻³ W _{eff} /m ² ... 2000 W _{eff} /m ²		
LP BL	Base with levelling device. On request for assembly with the probes at the time of order. (not for LUM probes)		

ACOUSTICS: MICROPHONES, PREAMPLIFIERS, ACCESSORIES








Code	Description		
HD8701S	Spare probe for HD 8701		HD8701 HD9020 HD2010 HD2110
HD9101S1	Class 1 microphone 1/2" type WS2F for free field measurements		
MK221	Class 1 microphone 1/2" type WS2F for free field measurements		
MK231	Class 1 microphone 1/2" type WS2D for diffuse field measurements		
MK223	Class 1 microphone with coated membrane for free-field measurements 1/2" type WS2F		
UC-52	Class 2 microphone for free-field measurements, 1/2" type WS2F		
HDSAV	Windshield for 1/2" microphones		
HDSAV2	Windshield with bird spikes for weatherproof microphone unit HDWME950, HDWME950N		
HDSAVP	Spare rain shield for weatherproof microphone unit HDWME950, HDWME950N		

ACOUSTICS: MICROPHONES, PREAMPLIFIERS, ACCESSORIES

Code	Description		
CPA/3 CPA/5 CPA/10 CPA/20 CPA/50	3m microphone extension cable 5m microphone extension cable 10m microphone extension cable 20m microphone extension cable 50m microphone extension cable		
HD2010PN	Microphone preamplifier with standard connector for 1/2". It's provided with CTC device for electrical calibration		
HD2010PNW	Microphone preamplifier for HDWME950 with standard connector for 1/2". Provided with heater and CTC device for electrical calibration		
HD2110P	Microphone preamplifier with standard connector for 1/2". It's provided with CTC device for electrical calibration and with a driver for extension cable up to 100m		
HD2110PW	Microphone preamplifier for HDWME950 with standard connector for 1/2". Provided with heater and CTC device for electrical calibration, and driver for extension cable up to 100m		
9CPRS23	Null-modem cable of RS232 interface for sound level meters HD 9019 and HD 9020 to connect to a PC (COM interface)		
HD2110/CSNM	Null-modem serial cable with standard D9B connector		
HD2110/CSM	Serial cable for modem with standard DB25 connector		
HD2110/CSP	Serial cable for printer with standard DB9 connector		
VTRAP	Tripod, max height 1550mm		

HD8701
HD9020
HD2010
HD2110

SICRAM MODULES FOR MULTIFUNCTION DO9847

Code	Description	
TP471	Temperature measurement with platinum temperature probes with resistance values PRT @ 0°C (Pt25Ω, 100Ω, or 500Ω) Measuring range Pt25, Pt100 -200...+850°C Measuring range Pt500 -200...+500°C	
TP471DO	Module for temperature measurement with thermocouple sensors, 1 input	
PP471D	Module for temperature measurement with thermocouple sensor, 1 input	
TP471D1	Module for for temperature measurement with thermocouple sensors, 2 inputs	
VP472	Module for the connection of pyranometers and albedometers. The signal produced by the thermopile of pyranometer can be read in mV or W/m ² , the net radiation of the albedometer is read in W/m ² . The thermopile sensitivity can be set from 5 to 30μV/(Wm ⁻²).	
VP473	Module for reading and storing the continuous voltage. Measuring range : ±20Vdc , input impedance: 1MΩ.	
IP472	Module for reading and storing the continuous current. Measuring range: 0...24mA , input impedance: 25Ω.	
PP471	Module for reading pressure with the probes of TP704 / TP705 series. The module is complete with 2 meter cable and 8 pole DIN 45326, female connector.	