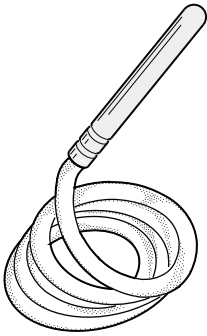


### EK083 Universal Probe



- To associate with **EK186** thermostat
- To associate with **EK187** thermostat and **EK618** time programmable thermostat (for those applications insert in series with the probe a resistance of 1500Ω)

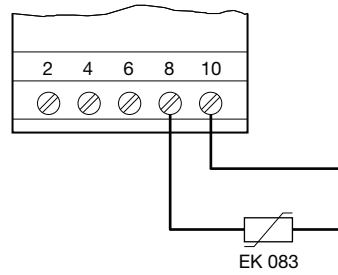
**EK083:** 10 kOhms at 25°C  
cable length: 4m

#### Environment

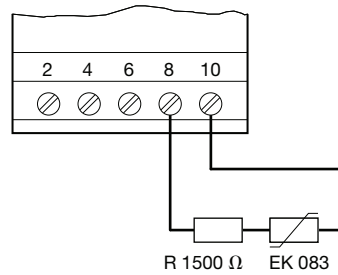
- Working temperature: -30 to +90°C
- Storage temperature: -30 to +100°C

### Electrical Connection

- Associated with **EK186**



- Associated with **EK187 - EK618**

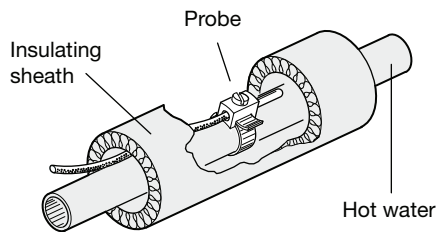


Modular Devices & Enclosures

### Examples of Applications

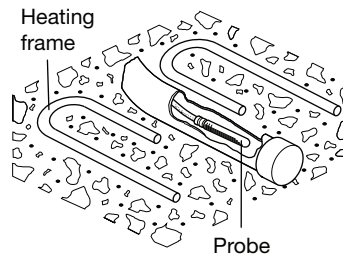
#### Use with the clamp collar

- For the control of hot water

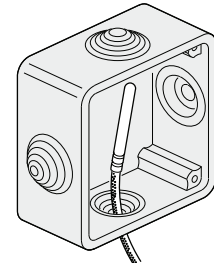


#### Use with the clamp collar

- Protected by a sheath for the control of floor temperature



- Used as an external probe in a weatherproof box.



### Resistance of Probes According to Temperature

Temperature °C	EK083 R (KΩ)	EK081* R (KΩ)	EK081** EK082 R (KΩ)
+90	0.91	On a wall	-
+80	1.25	1.25	2.83
+70	1.75	1.75	3.33
+50	3.60	3.60	5.18
+30	8.06	8.06	9.64
+25	10	10	11.58
+20	12.49	12.49	14.07
+15	15.71	15.71	17.28
+10	19.90	19.90	21.48
+5	25.39	25.39	26.98
+0	32.65	32.65	34.23

Temperature °C	EK083 R (KΩ)	EK081* R (KΩ)	EK081** EK082 R (KΩ)
-5		42.31	-
-10	55.29	-	-
-15	72.89	-	-
-20	96.97	-	-
-25	130.24	-	-
-30	176.68	-	-

Face value at 25°C

Note: \*Association with **EK186**

\*\*Association with **EK187** and **EK618**