

TEMPERATURE CALIBRATORS

												
Product name	PYROS 140	PYROS 375	PYROS 650	PYROS 650 BASIC	FLUID100	FLUID200	FLUID H100	FLUID H200	QUARTZ	PULSAR-35Cu	PULSAR-80Cu	SOLAR
Temp. range (°C)	-24 (*) ÷ 140	30 (*) ÷ 375	35 (*) ÷ 650	35 (*) ÷ 650	-18 (*) ÷ 125	Amb. ÷ 200	-18 (*) ÷ 140	Amb. ÷ 250	-30 (*) ÷ 150	Amb. ÷ 600	Amb. ÷ 550	200 ÷ 1100
Type	Dry block	Dry block	Dry block	Dry block	Liquid	Liquid	Liquid	Liquid	Dry block	Dry block	Dry block	Dry block
Stability (°C)	±0,10	±0,10	±0,30	±0,30	±0,02 (@ -5 °C)	±0,02 (@ 150 °C)	±0,02 (@ -5 °C)	±0,03 (@ 150 °C)	±0,03 (@ 0 °C)	±0,05 (@ 450 °C)	±0,05 (@ 450 °C)	±0,3 (@ 1000 °C)
Uniformity	@ 0 °C	@ 150 °C	@ 450 °C	@ 450 °C	@ 0 °C	@ 150 °C	@ 0 °C	@ 150 °C	@ 0 °C	@ 450 °C	@ 400 °C	@ 1000 °C
Radial (°C) (**)	±0,02 (@ 40 mm)	±0,10 (@ 40 mm)	±0,22 (@ 40 mm)	±0,22 (@ 40 mm)	±0,04 (@ 50 mm)	±0,05 (@ 50 mm)	±0,02 (@ 50 mm)	±0,05 (@ 50 mm)	±0,02 (@ 40 mm)	±0,15 (@ 50 mm)	±0,1 (@ 100 mm)	±0,4 (@ 40 mm)
Axial (°C) (***)	±0,08	±0,08	±0,45	±0,45	±0,05	±0,05	±0,05	±0,05	±0,1	±0,35	±0,3	±0,4
Stability indicator	—	—	—	—	Audio + visual	Audio + visual	Audio + visual	Audio + visual	Audio + visual	Audio + visual	Audio + visual	Audio + visual
Display accuracy (°C)	±0,35	±0,35	±0,50	±0,90	±0,15	±0,15	±0,15	±0,15	±0,15	±0,3	±0,3	±3
Display resolution (°C)	0,1	0,1	0,1	0,1	0,1 / 0,01	0,1 / 0,01	0,1 / 0,01	0,1 / 0,01	0,1 / 0,01	0,1 / 0,01	0,1 / 0,01	0,1 / 0,01
Ext. probe reading	—	—	—	—	Optional	Optional	Optional	Optional	Optional	Optional	—	Optional
Units of measurement	°C / °F	°C / °F	°C / °F	°C / °F	°C / °F / K	°C / °F / K	°C / °F / K	°C / °F / K	°C / °F / K	°C / °F / K	°C / °F / K	°C / °F / K
Interface	—	—	—	—	RS232	RS232	RS232	RS232	RS232	RS232	RS232	RS232
Mean heating time	5 °C/min	17 °C/min	17 °C/min	17 °C/min	12 °C/min	10 °C/min	12 °C/min	10 °C/min	20 °C/min	20 °C/min	9 °C/min	18 °C/min
Mean cooling time	2 °C/min	6,5 °C/min	9 °C/min	9 °C/min	5 °C/min	5 °C/min	5 °C/min	5 °C/min	22 °C/min	25 °C/min	1,6 °C/min	6 °C/min
Slope	●	●	●	●	●	●	●	●	●	●	●	●
Switch test	●	●	●	●	●	●	●	●	●	●	●	●
Insert hole depth (mm)	150	150	150	143	150	150	150	150	130	185	275	220 (****)
Well diameter (mm)	26	26	26	26	54	54	54	54	35	35	60	44
Size (mm)	130 x 260 x 280	130 x 260 x 280	130 x 260 x 280	130 x 260 x 280	160 x 340 x 330	160 x 340 x 330	160 x 340 x 330	160 x 340 x 330	160 x 340 x 330	160 x 340 x 330	170 x 450 x 330	170 x 450 x 330
Weight (kg)	4,9	5,4	6,0	6,0	8,0	8,0	8,0	8,0	10,0	10,0	23,0	12,0
Power supply (V) (50/60 Hz)	115 and 230	115 and 230	115 and 230	115 and 230	115 or 230	115 or 230	115 o 230	115 o 230	115 or 230	115 or 230	230	115 or 230
Power (VA)	80	600	600	600	300	500	300	500	300	800	1700	850

— Not available

● Available

* Ambient temperature: 20 °C

*** Valid for 60 mm from the bottom of the holes (120 mm for Pulsar-80Cu)

** Referred to the distance from the bottom of the holes

**** Insulator included



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