

TEMPERATURE CALIBRATORS

										
Product name	PYROS 125	PYROS 375	PYROS 650	FLUID100	FLUID200	QUARTZ	PULSAR (394)	PULSAR-35Cu	PULSAR-80Cu	SOLAR
Temp. range (°C)	-24 (*) ÷ 125	30 (*) ÷ 375	35 (*) ÷ 650	-12 (*) ÷ 125	Amb. ÷ 200	-30 (*) ÷ 150	Amb. ÷ 550	Amb. ÷ 600	Amb. ÷ 550	200 ÷ 1100
Type	Dry block	Dry block	Dry block	Liquid	Liquid	Dry block	Dry block	Dry block	Dry block	Dry block
Stability (°C)	±0,05	±0,10	±0,30	±0,02 (@ -5 °C)	±0,02 (@ 150 °C)	±0,03 (@ 0 °C)	±0,05 (@ 450 °C)	±0,05 (@ 450 °C)	±0,05 (@ 450 °C)	±0,3 (@ 1000 °C)
Uniformity	@ 0 °C	@ 150 °C	@ 450 °C	@ 0 °C	@ 150 °C	@ 0 °C	@ 400 °C	@ 450 °C	@ 400 °C	@ 1000 °C
Radial (°C) (**)	±0,02 (@ 40 mm)	±0,10 (@ 40 mm)	±0,22 (@ 40 mm)	±0,04 (@ 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	±0,05	±0,05	±0,1	±0,8	±0,35	±0,3	±0,4
Stability indicator	—	—	—	Audio + visual	Audio + visual	Audio + visual	Audio + visual	Audio + visual	Audio + visual	Audio + visual
Display accuracy (°C)	±0,25	±0,50	±0,90	±0,15	±0,15	±0,15	±0,3	±0,3	±0,3	±3
Display resolution (°C)	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
Ext. probe reading	—	—	—	Optional	Optional	Optional	Optional	Optional	—	Optional
Units of measurement	°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
Interface	—	—	—	RS232	RS232	RS232	RS232	RS232	RS232	RS232
Mean heating time	5 °C/min	17 °C/min	17 °C/min	12 °C/min	10 °C/min	20 °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	5 °C/min	5 °C/min	22 °C/min	25 °C/min	25 °C/min	1,6 °C/min	6 °C/min
Slope	●	●	●	●	●	●	●	●	●	●
Switch test	●	●	●	●	●	●	●	●	●	●
Insert hole depth (mm)	98	143	143	150	150	130	185	185	275	220 (****)
Well diameter (mm)	2 x 13	26	26	54	54	35	—	35	60	44
Size (mm)	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	170 x 450 x 330	170 x 450 x 330
Weight (kg)	4,9	5,4	6,0	8,0	8,0	10,0	8,6	10,0	23,0	12,0
Power supply (V) (50/60 Hz)	100 and 230	115 and 230	115 and 230	115 or 230	115 or 230	115 or 230	115 or 230	115 or 230	230	115 or 230
Power (VA)	80	600	600	300	500	300	800	800	1700	850

— Not available

* Ambient temperature: 20 °C

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

● Available

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

**** Included insulator



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