

TEMPERATURE CALIBRATOR



Product name	PYROS 140 1/2H	PYROS 375	PYROS 650	FLUID 100-45	FLUID H100	FLUID 200	FLUID H200	QUARTZ 50	QUARTZ 633	PULSAR-35Cu	PULSAR-80Cu	SOLAR 1100	SOLAR 1200
Temperature range (°C)	-26 (*) ÷ 140	T _{amb} +10°C ÷ 375	T _{amb} +15°C ÷ 650	-35 (*) ÷ 140	-18 (*) ÷ 140	T _{amb} ÷ +200	T _{amb} ÷ +250	-50 (*) ÷ 150	-30 (*) ÷ 150	T _{amb} ÷ +600	T _{amb} ÷ +550	200 - 1100	200 - 1200
Type	Dry block calibrator	Dry block calibrator	Dry block calibrator	Liquid & Dry block	Liquid & Dry block	Liquid & Dry block	Liquid & Dry block	Dry Block calibrator	Dry block calibrator	Dry block calibrator	Dry block calibrator	Dry block calibrator	Dry block calibrator
Stability (°C)	±0.1	±0.1	±0.2	±0.02 (@ -0 °C)	±0.02 (@ -0 °C)	±0.02 (@ 50 °C)	±0.02 (@ 50 °C)	±0.03	±0.03	±0.05 (@ 450 °C)	±0.05 (@ 450 °C)	±0.3	±0.3
Uniformity	@ 0°C	@ 150°C	@ 450°C	@ 0 °C	@ 0 °C	@ 150°C	@ 150 °C	@ 0 °C	@ 0°C	@ 450 °C	@ 400 °C	@ 1000 °C	@ 1000 °C
Radial (°C) (**)	±0.02 (@40 mm)	±0.1 (@40 mm)	±0.15 (@40 mm)	±0.02 (@ 50 mm)	±0.02 (@ 40 mm)	±0.05 (@ 50 mm)	±0.05 (@ 50 mm)	±0.02	±0.02 (@40 min)	±0.15 (@ 50 mm)	±0.1 (@ 100 mm)	-	±2 (@ 40 mm)
Axial (°C) (***)	±0.08	±0.08	±0.25	±0.05	±0.05	±0.05	±0.05	±0.1	±0.02 (@40 min)	±0.35	±0.3	±2*****	±3*****
Stability indicator	Audio +Visual	Audio + Visual	Audio + Visual	Audio + Visual	Audio + Visual	Audio + Visual	Audio + Visual	Audio + Visual	Audio + Visual	Audio + Visual	Audio + Visual	Audio + Visual	Audio + Visual
Dysplay accuracy (°C)	±0.25 a 100°C	±0.35	±0.5	±0.15	±0.15	±0.15	±0.2	±0.15	±0.15	±0.3	±0.3	±3	±3
Dysplay 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	0.1 / 0.01	0.1 / 0.01	0.1
Ext. probe reading	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional
Units of measure	°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	°C / °F / K	°C / °F / K
Pc interface	RS232	RS232	RS232	RS232	RS232	RS232	RS232	RS232	RS232	RS232	RS232	RS232	RS232
Mean heating time	7°C/min	17°C/min	19°C/min	3°C/min	12°C/min	10 °C/min	10 °C/min	3°C/min	20°C/min	20 °C/min	3.5 °C/min	16°C/min	9.8°C/min
Mean cooling time	7,5°C/min	6,5°C/min	3,9°C/min	1,2°C/min	5°C/min	5 °C/min	5 °C/min	3°C/min	22°C/min	25 °C/min	3,3 °C/min	3°C/min	2,7°C/min
Switch test	On/Off 12 VDC	On/Off 5VDC	On/Off 5 VDC	On/Off 4.5 VDC	On/Off 4.5 VDC	On/Off 4.5 VDC	On/Off 4.5 VDC	On/Off 4.5 VDC	On/Off 4.5 VDC	On/Off 4.5VDC	On/Off 4.5 VDC	On/Off 4.5 VDC	On/Off 4.5 VDC
Well depth (mm)	104	150	150	150	150	150	150	130	135	185	275	220 (****)	210
Working diameter (mm)	12.5(1H) /19(2H)	26	26	45	60	60	60	35	35	35	60	44	35
Calibrator size (mm)	130x260x280	130x260x280	130x260x280	160 x 360 x 350	160 x 360 x 450	160 x 360 x 450	160 x 340 x 330	160 x 350 x 360	160 x 350 x 360	160 x 360 x 350	170 x 450 x 330	170 x 330x450	160 x 350 x385
Calibrator weight with standard equipment (Kg)	5.5	5.32	6.5	11.0	11.0	8.3	8.3	9.3	9.3	10.0	23.0	12.0	11.5
Operating Voltage (V) 50/60 Hz	115÷240	115 ÷240	115 ÷ 240	115 or 230	115 or 230	115 or 230	115 or 230	115 or 230	115 or 230	115 or 230	230	115 or 230	230
Electric power (W)	80	600	600	350	300	500	500	400	350	800	1700	900	900

* Ambient Temperature: 20 °C

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

*** Valid for 40mm from the bottom of the holes

**** Superior Insulator included

***** 1°C with INCONEL insert

*****1.6°C with INCONEL insert