CALIBRATORS TABLE

Specifications	PYROS 140-1H	PYROS 140-2H	PYROS-375	PYROS-650
Temperature range°	-26°C ÷ +140°C		(T.amb. +10°C) ÷ +375°C	(T.amb. +15°C) ÷ +650°C
Display	LSD			
Display accuracy	±0.25°C full temperature range*		±0.35°C full temperature range*	±0.5°C at 600°C full temperature range*
Units of measure	°C-°F			
Display resolution	±0.1°C			
Mean heating time (stabilization included)	from T. amb to 130°C approx 25 min		from T.amb to 350°C approx 16 min	from T.amb to 650°C approx 35 min
Mean cooling time (stabilization included)	from T.amb to -20°C approx 23 min	from T.amb to -20°C approx 23 min	from 375°C to 100°C approx 45 min	from 650°C to 100°C approx 80 min
Stability	±0.1°C full temperature range**		±0.15°C full temperature range**	±0.30°C full temperature range**
Axial uniformity	at - 20°C±0.10°C / at 0°C±0.05°C / at 100°C±0.10°C**	at- 20°C±0.12°C /at 0°C±0.04°C / at 100°C±0.12°C***	at 50°C±0.02°C / at 200°C±0.20°C / at 375°C±0.4°C***	at 250°C±0.6°C / at 450°C±0.5°C / at 650°C±0.5°C***
Radial uniformity	at 100°C±0.05°C****		at 200°C±0.1°C / at 375°C±0.2°C****	at 450°C±0.15°C / at650°C±0.6°C****
Hole diameter	1 hole dn 19 mm	2 holes dn 13 mm	26 mm	
Hole deth	104 mm		150 mm	
Insert material	Anticorodal			nickel/plated brass
Swich test, voltage	On/Off - 12VDC		On/Off - 5VDC	
Adjustable ramp function	0.1÷10°C/min			
PC interface	RS232			
External probes	/			
Automatic calibration	on 5 points			
Operating voltage	115/240 VAC ±10% 50/60Hz			
Electric power	80W		600W	
Calibrator size	130X260X280 mm			
Calibrator weight with standard equipment	5.5 Kg		5.32 Kg	6.5 Kg

° values measured at room temperature 20°C

The achievement of stabilization is confirmed by a symbol V and a *beep*

* temperature deviation between the display and the reference probe

** maximum temperature difference at a stable temperature over 30 minutes

*** measured for 40 mm starting from the bottom of the hole

**** measured from the bottom up to 40 mm

CALIBRATORS TABLE

Specifications	FLUID100+T	FLUID 100T	FLUID200T	FLUID200+T	QUARTZT	QUARTZ+T	PULSAR T	SOLAR+T	SOLAR T
Temperature range°	-35°C÷+120°C	-18°C÷+140°C	T.amb. ÷ +200°C	T.amb. ÷ +250°C	-30°C÷+150°C K7	-50°C÷+120°C	T.amb ÷ + 600°C	200°C ÷ +1100°C	200°C ÷ +1200°C
Display	SCREEN TOUCH				SCREEN TOUCH		SCREEN TOUCH	SCREEN TOUCH	
Display accuracy	±0.15°C*		±0.2°C*		±0.15°C full temperature range*		±0.3°C*	±3°C full temperature range*	
Units of measure	°C-°F-K				°C-°F-K		°C-°F-K	°C-°F-K	
Display resolution	0.1° / 0.01° / 0.001°C				0.1 °/ 0.01 ° / 0.001 ° C		0.1°/ 0.01° / 0.001°C	0.1° / 0.01° / 0.001° C	
Mean heating time (stabilization included)	from T.amb to 140°C approx 40 min.	from T.amb to 140°C approx 55 min.	from T.amb to 200°C approx 30 min.		28 min from 20 to 140°C	17 min from T.amb to 120°C	from T. amb to 550°C 40 min.	from T.amb to 1000°C 60 min.	
Mean cooling time (stabilization included)	from 120°C to T.amb approx 100 min.	from 140°C to T.amb approx 50 min.	from 200°C to 50°C 75 min		23 min from 20 to -25°C	37 min from Amb. to -45°C	from 550°C to 100°C 60 min.	from 1000°C to 100°C 330 min.	
Stability	±0.02°C at 0°C**		±0.03°C full temperature range**		±0.03°C**		±0.05°C full temperature range **	± 0.05°C	
Axial uniformity	±0.05°C		±0.01°C +140°C		±0.01°C***		± 0.15°C at 400°C***	3.6°C ± 0.3**	1.5 °C ± 0.8**
Radial uniformity	±0.02°C at 0°C***	±0.07°C at 140°C***	±0.06°C at 140°C***		/		± 0.35°C at 400°C	± 1 °C***	± 0.5 °C***
Hole diameter	45 mm	60 mm			35 mm		35 mm	44 mm	35 mm
Hole deth	170 mm				135 mm		185 mm	220 mm	210 mm
Insert material	Anticorodal				Anticorodal		nickel/plated brass	ceramics****	
Swich test, voltage	On/Off - 4.5 V DC				On/Off - 4.5 Vdc		On/off - 12 VDC	On/Off - 4.5VDC	
Adjustable ramp function	from 0.1°C /1°C				from a min 0.1°C/min		from 0,1°C/min	from 0.1°C/min	
PC interface	B type USB				B type USB		B type USB	B type USB	
External probes	Pt100 at 3/4 wires, Pt1000 - Thermocouples: J,K,N,R,S,E,T,B Sensor with 0-10 V or 4 -20 mA output				Pt100 at 3/4 wires, Pt1000 - Thermocouples: J,K,N,R,S,E,T, B Sensor with 0-10 V or 4 -20 mA output		Pt100 at 3/4 wires, Pt1000 - Thermocouples: J,K,N, R,S,E,T,B Sensor with 0-10 V or 4 -20 mA output	Pt100 at 3/4 wires, Pt1000 - Thermocouples: J,K,N,R,S,E,T,B - Sensor with 0-10 V or 4 -20 mA output	/
Automatic calibration	on 5 points				on 5 points		on 5 points	on 5 points	
Operating voltage	230 or 115 VAC				115 or 230 VAC 50/60 HZ		115 or 230 VAC 50/60 Hz	115 or 230 VAC	230 VAC
Electric power	350 VA	300 VA	500 VA		350W	400W	800 W	900 W	
Calibrator size	160x360x350 mm				160x350x360 mm		160x360x350 mm	170x330x450 mm	160x350x385 mm
Calibrator weight with standard equipment	11 Kg		8,3 kg		9.3 Kg		10 Kg	12 kg	11.5 Kg

° values measured at room temperature 20°C

The achievement of stabilization is confirmed by a symbol V and a beep
Diameter sensor_6 mm

* temperature deviation between the display and the reference probe

** maximum temperature difference at a stable temperature over 30 minutes

*** measured from the bottom up to 40 mm

The achievement of stabilization is confirmed by a symbol V and a beep

* temperature deviation between the display and the reference probe

** maximum temperature difference at a stable temperature over 30 minutes

*** measured from the bottom up to 60 mm

The achievement of stabilization is confirmed by a symbol V and a beep

* temperature deviation between the display and the reference probe

** maximum temperature difference at a stable temperature over 30 minutes

*** measured from the bottom up to 40mm

The achievement of stabilization is confirmed by a symbol V and a beep

* temperature deviation between the display and the reference probe

** at 40 mm from the bottom with ceramics insert at 1000°C

** at 40 mm from the bottom with Inconel insert at 1000°C

**** INCONEL on demande