

OVERVIEW: Portable **LR-Cal** Temperature Calibrators

 DRUCK & TEMPERATUR Leitenberger GmbH www.druck-temperatur.de									
Model	PYROS-125	PYROS-375	PYRROS-650	FLUID100	FLUID200	QUARTZ	PULSAR-35Cu	PULSAR-80Cu	SOLAR
Temp.-Range [°C] at 20°C ambient temp.	-24...+125°C	+30...+375°C	+35...+650°C	-12...+125	+20...-200	-30...+150	+20...+600	+20...+550	+200...+1100
Execution	dry block	dry block	dry block	fluid bath	fluid bath	dry block	dry block	dry block	dry block
Stability [°C]	±0.05	±0.15	±0.3	±0.02 (@ -5 °C)	±0.02 (@ 150 °C)	±0.03 (@ 0 °C)	±0.05 (@ 450 °C)	±0.05 (@ 450 °C)	±0.3 (@ 1000 °C)
Uniformity	at 0°C	at 375°C	at 450°C	at 0°C	at 150°C	at 0°C	at 450°C	at 300°C	at 1000°C
radial [°C] (**)	±0.02 (@ 40 mm)	±0.2 (@ 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	±0.25	±0.45	±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
Display accuracy [°C]	±0.25	±0.5	±0.9	±0.15	±0.15	±0.15	±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
External probe reading	—	—	—	Optional	Optional	Optional	Optional	—	Optional
Temperature unit(s)	°C / °F	°C / °F	°C / °F	°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
Mean heating time	to 120°C: 20 min	to 375°C: 20 min	to 650°C: 35 min	12 °C/min	10 °C/min	20 °C/min	20 °C/min	9 °C/min	18 °C/min
Mean cooling time	to -20°C: 17 min	to 100°C: 40 min	to 100°C: 60 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]	104	150	150	150	150	130	185	275	220
Well diameter [mm]	2 x 13	26	26	54	54	35	35	60	44
Case dimension [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	170 x 450 x 330	170 x 450 x 330
Weight [kg]	04. Sep	05. Apr	6.0	8.0	8.0	10.0	10.0	23.0	12.0
Power supply [VAC]	115...230	115 and 230	115 and 230	230 (Option: 115)	230 (Option: 115)	230 (Option: 115)	230 (Option: 115)	230	230 (Option: 115)
Power [VA]	80 W	600 W	600 W	300	500	300	800	1700	850

— not available
● available/standard

* at 20°C ambient temperature
** referred to distance from bottom of holes

*** referred to distance 60 mm from bottom of holes
**** incl. isolation