

Precision Hot Plates, Gestigkeit

DIGITAL ELECTRONIC hot plates are designed for continuous and equipped as standard with a built-in temperature limiter adjustable from 30 to 100°C or 50 to 300°C.

Because of asymmetrical, quick-reaction, special long-term heating and thermal sensors, as well as output adaptation to the thermal requirements, extremely precise temperatures, with a very good uniform heat are obtained over the complete heating surface.

Design:

Upper plates are made of efficient heat-conducting aluminium alloy and have a smooth anodized finish. Temperature is regulated by means of a microprocessor temperature controller with digital actual value display. Operating temperatures are preset in 0.1°C divisions up to 99.9°C and in 1°C divisions for temperatures over 100°C. All models are fitted with an electronic output regulator allowing the heating output to be adjusted to actual demand. All models are equipped with a bushing to connect either a contact thermometer or a time switch.

Models PZ 60, HB 110 and HB 300 have screw-in sockets for five 12mm diameter supporting rods with a clearance of 125 mm to each other.

Hot plates with temperature display

Type	Platform size mm	Wght kg	P rating W	Temp. range °C	Temp. accur. ± K	Order No.
PZ 28-1 T	280 × 200	6	500	20 – 99.9	0.1	43 06 47028
PZ 28-2 T	280 × 200	6	1100	20 – 300	0.5	43 06 47029
PZ 60 T	610 × 160	11	2000	20 – 300	0.5	43 06 47121
① PZ 35 T	350 × 350	13	2200	20 – 300	0.5	43 06 47342
PZ 72 T	580 × 430	22	3300	20 – 300	0.5	43 06 47372

Hot plates without temperature display and without relay output

Type	Platform size mm	Wght kg	P rating W	Temp. range °C	Temp. accur. ± K	Order No.
② HB 110	610 × 160	7	1000	30 – 110	5	43 06 51511
HB 300	610 × 160	7	2000	50 – 300	5	43 06 51530

Accessoires

Article	for type	Order No.
Stainless steel support rod ST 12, screw-on, 12 mm Ø	PZ 60, HB 110, HB 300	44 06 48001
Holder HK3	for contact thermometer for PZ	44 06 48015
Silicone cable SK 83 with 3-pole connector	PZ	44 06 48016

Hot plates with separator control system

Flush-mounting and bench-top units for use with either the 2860 SR bench-top temperature controller, the 2860 EB flush-mounting temperature controller or the PR 5 SR program controller.

The hot plate on the PZ 44 ET is made of a special hot plate material casting on account of the high temperature.

Except for the PZ 44 ET and the PZ 14 ET, all the units have temperature limiter with an adjustable range from 30 to 110°C and 100 to 350°C respectively. Sensor cable and controller network cable are 1,8 m long and insulated with silicone.

Type	A mm	B mm	C mm	D mm	Con. load W	Con. load VAC	T _{max} °C	Order No.
PZ14 ET	140	140	100	100	450	230	350	43 06 47614
PZ28-1 ET	280	200	160	120	500	230	110	43 06 47628
PZ28-2 ET	280	200	160	120	1100	230	350	43 06 47629
④ PZ35 ET	250	350	286	286	2200	230	350	43 06 47635
PZ44 ET ¹⁾	440	290	384	234	3300	230	450	43 06 47644
PZ60 ET	610	160	478	98	2000	230	350	43 06 47660
PZ72 ET ¹⁾	580	430	510	357	3300	230	350	43 06 47672

¹⁾ Also available for 2 × 400 V, N + PE

Controller

Article	Order No.
③ Table-top controller	43 06 47901
Type 2860 SR for PZ 28-1 ET - PZ 72 ET hot plates	
External W × H × D:	200 × 65 × 280 mm
Power cable:	1,8 m
⑤ Built-in controller	43 06 47911
Type 2860 EB for PZ 28 ET-1 - PZ 72 ET hot plates	
External W × H × D:	215 × 70 × 168 mm with front panel, no plug
Power cable:	1,8 m
Recommended cut-out:	197 × 61 mm (W × H)
⑥ Program controller type PR 5 SR	43 06 47921
for PZ 28-1 ET, PZ 28-2 ET, PZ 35 ET, PZ 60 ET	
External W × H × D:	305 × 105 × 210 mm

Storage capacity for max. 5 ramps per temperature profile, 3 temperature profiles; continuous display of nominal value and residual time, max. 9 h 59 min. per ramp and dwell time, simple operation, membrane keyboard.

All controllers are for a mains voltage of 220 to 240 Volt AC.

