

### SAN-LP Heater Electrical Direct Heater

#### Application

Direct-heaters for Hazardous locations, designed for direct mounting onto e.g. manifolds etc.

- Freeze protection
- Anti-condensation
- Temperature maintenance

#### Features and Advantages

- Certified to meet the requirements of the ATEX Directive 94/9/EC, Gost and IECEx.
- Self-limiting heating elements
- Small dimensions
- No moving parts, no maintenance required therefore long lifetime
- Suitable for T4 and T3 classifications
- Can be used for 110 / 240 VAC/DC

#### Description

All Cameo Heaters are designed around self-limiting heating elements. These self-limiting semi-conductor elements are saving power consumption. Our Cameo Direct-heaters are designed to heat the installed equipment. If properly selected for freeze protection, no thermostat will be needed.

Optional body #5 : 4 holes diam. 5,2 mm. available in Aluminium and SS range  
For easy mounting, at no extra charge

Alternative 316 Stainless Steel heaters can be delivered for the 100-10 Watt range.

Also possible is an aluminium body with four holes drilled through (body #5), for easy mounting.

Please see below for further technical data.

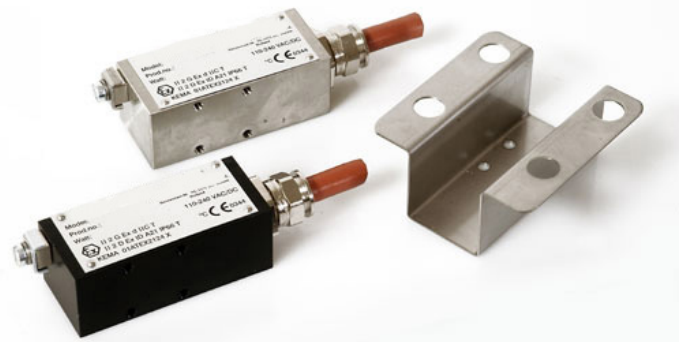
#### Range

LP-1A	T3	ca. 115 °C Surface temperature	100-10 Watt
LP-2A	T4	ca. 105 °C Surface temperature	100-10 Watt
LP-3A	T4	ca. 90 °C Surface temperature	100-10 Watt
LP-4A	T4	ca. 70 °C Surface temperature	100-10 Watt

#### High Power model:

LP-0AHP	T3	ca. 130 °C Surface temperature	200-20 Watt
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\* these temperatures are measured at 20 °C ambient temperature.



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#### Technical data

Power	:	100-10 Watt or 200-20 Watt for High Power model
Electrical cable	:	3 x 1 sqmm, braided std.
Material cable	:	braided silicone, optional: non-braided cable
Standard length	:	ca. 1 mtr. Other lengths optional
Overall dimensions	:	78 x 30 x 34 mm (LxWxH)
Weight	:	Aluminium heater ca. 350 g., 316 Stainless Steel 360 g.
Material	:	black anodized aluminium (A) or 316 stainless steel (S)
Protection class	:	II 2G Ex d IIC T4 or T3
	:	II 2D Ex tD A21 IP66 T 135 °C or T 200 °C
Certification	:	KEMA 01ATEX2124X and IECEx DEK 11.0017
IP degree	:	IP 66
Voltage	:	110/240 VAC/DC
Ambient temp. range	:	- 60 °C ... + 90 °C
Optional body #5	:	4 holes diam. 5,2 mm. available in Aluminium range. for easy mounting, at no extra charge.

#### Additional Technical data for the High Power model LP-0AHP, T3, 130 °C:

Overall dimensions	:	88x36x36 mm (LxWxH)
Material	:	black anodized aluminium only
All other data	:	the same as standard model