

# SMARTFOX

## Pro Heater 3 / 4.5 / 6 / 9K

### Technical data sheet

Power to Heat: The SMARTFOX Pro Heater 3 / 4.5 / 6 / 9K is the ideal addition to your SMARTFOX energy manager and stores PV surplus in 15 dynamic stages as hot water.

The "Heater" can be used to heat heating and drinking water in enameled buffer tanks and containers. The integrated temperature sensor can be used to ensure sufficient hot water even in bad weather and to perform a hygiene function (legionella).

The included performance measurement enables high-resolution monitoring via web portal & APP.

With the remote control, you always have your hot water under control, even when you're on the move.

Compatible with all SMARTFOX energy managers!

Control and safety thermostat

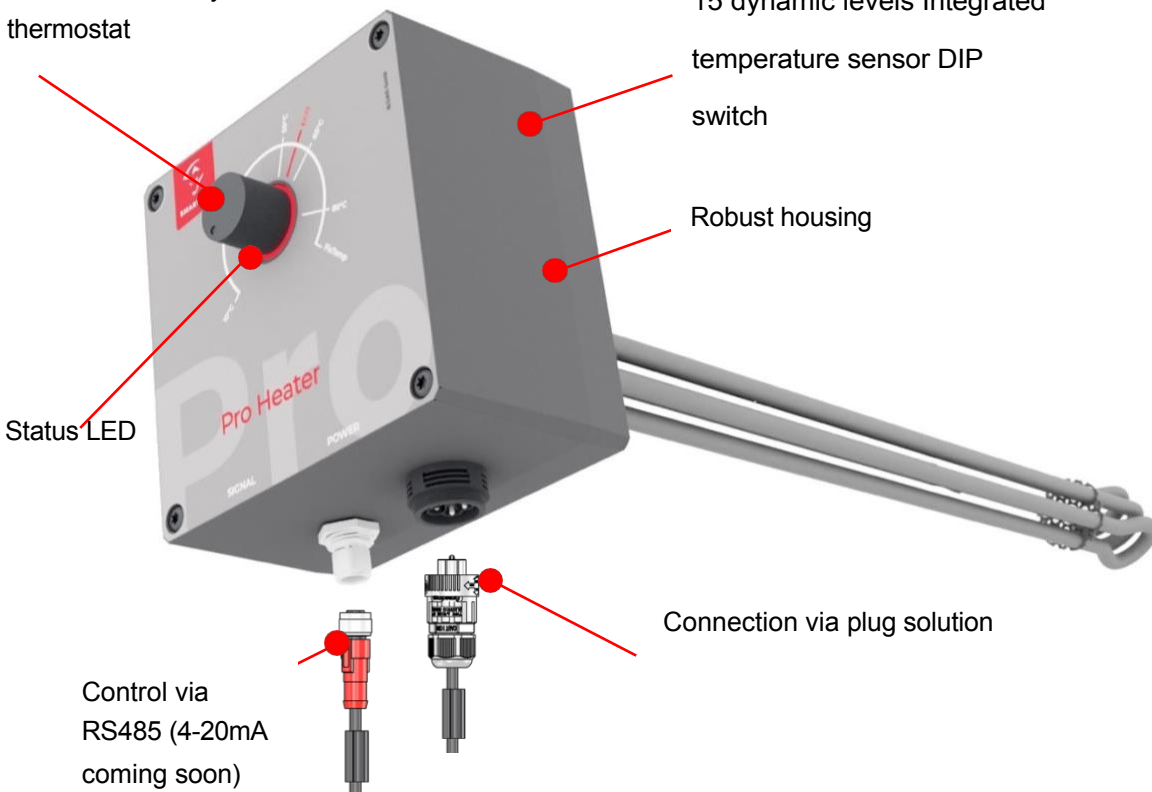
15 dynamic levels Integrated temperature sensor DIP switch

Robust housing

Status LED

Connection via plug solution

Control via RS485 (4-20mA coming soon)



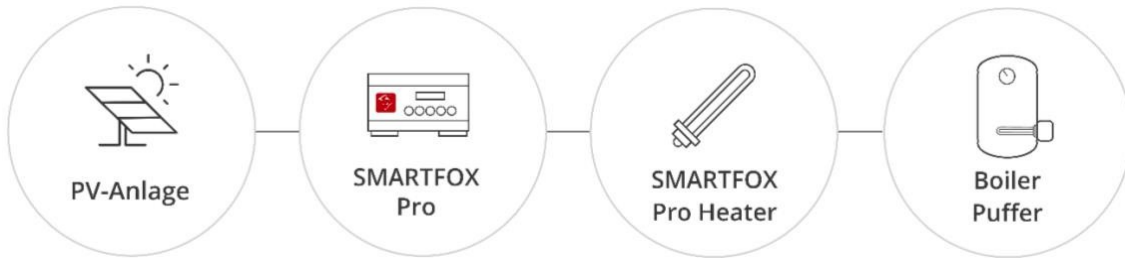
# Product information

## Technical data

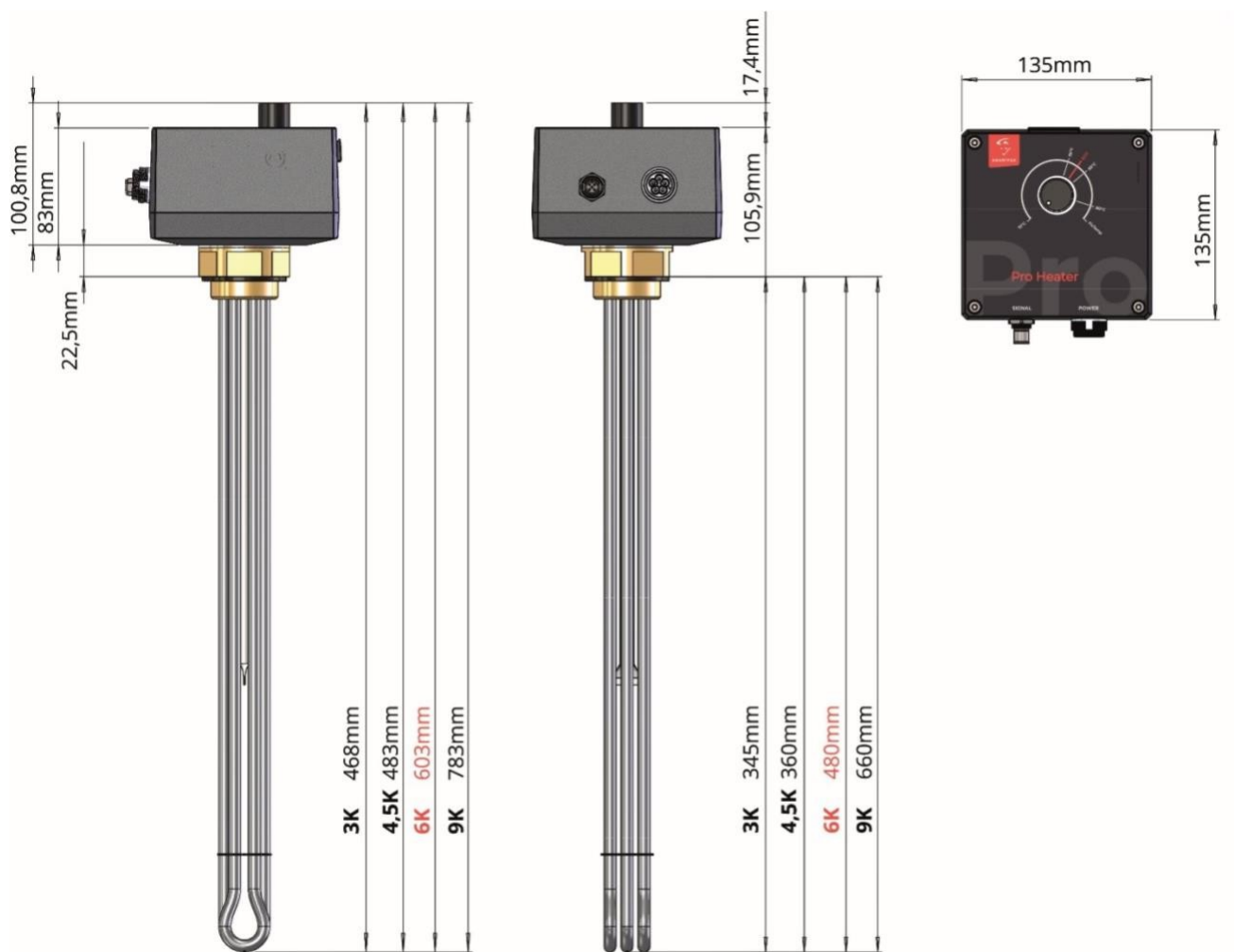
<b>Art. No.</b>	0796554799001	0796554799018	0767523866338	0796554799025
<b>Heating capacity max.</b>	3kW	4.5kW	6kW	9kW
<b>Heat output min.</b>	110W	165W	220W	333W
<b>Switching steps</b>	15 *Power of the steps varies according to model			
<b>Tension</b>	3~400V, 50Hz			
<b>Rated current</b>	max. 4.41A	max. 6.62A	max. 8.82A	max. 12.99A
<b>Protection</b>	LS 3B13	LS 3B13	LS 3B13	LS 3B13
<b>Standby consumption</b>	3-4W			
<b>Screw head</b>				
<b>Screw-in thread (AG)</b>	G 1 1/2" (6/4")			
<b>Width across flats</b>	SW60 (DIN ISO 228)			
<b>material</b>	brass			
<b>Operating pressure</b>	max. 10bar			
<b>Hea body ting</b>				
<b>Immersion depth</b>	345mm	360mm	480mm	660mm
<b>Unheated length</b>	100mm			
<b>Sheath material</b>	2.4858 - Alloy 825			
<b>Surface load</b>	10W/cm <sup>2</sup>			
<b>Continuous operation suitability</b>	Yes			
<b>Galvanic isolation</b>	Yes (use in glass-lined containers possible)			
<b>Area of application</b>	Hot water boiler & buffer tank (suitable for drinking water)			
<b>Installation</b>	horizontal			
<b>Connection housing</b>				
<b>material</b>	PC + ABS (UL 94 V0)			
<b>Protection class</b>	IP54			
<b>Electrical connection</b>	Plug 5-pin nominal cross-section 1.5mm <sup>2</sup> incl. connection cable 5m			
<b>Communication connection</b>	Plug 5-pin nominal cross-section 0.5mm <sup>2</sup> (min. 0.4mm <sup>2</sup> / max. 0.75mm <sup>2</sup> ) incl. Connection cable 5m			
<b>Interfaces</b>	RS485 (4-20mA coming soon)			
<b>RS485 addressing</b>	Parameters via DIP switch			
<b>Temperature sensor</b>	integrated (class B)			

<b>Temperature control</b>				
<b>Type</b>	Temp. controller (TR) + safety temp. limiter (STB)			
<b>Control temperature (TR)</b>	10-80°C			
<b>Switch-off temperature (STB)</b>	93°C			
<b>Display</b>	Status display via LED			
<b>Measuring unit</b>	Power measurement included			
<b>Dimensions incl. plug W x H x L</b>	W 135mm x H 189mm x L			
	L 468mm	L 483mm	L 603mm	L 783mm
<b>Weight</b>	1607g	1754g	1920g	2203g
<b>Temperature range (in operation)</b>	Ambient temperature 10-45°C			
<b>Humidity (during operation)</b>	5-95% non-condensing			
<b>Operating mode</b>	<p>With energy manager: 15-stage surplus control, minimum temperature maintenance, weekly timer, hygiene function frost protection &amp; fixed temperature...</p> <p>Stand-alone operation: frost protection &amp; fixed temperature possible</p>			
<b>Compatible energy managers (RS485)</b>	SMARTFOX Pro & SMARTFOX Pro 2			
<b>Compatible energy managers (4-20mA)</b>	All SMARTFOX energy managers *Not all functions available			
<b>Remote control</b>	Via SMARTFOX energy manager (my.smartfox.at & APP)			
<b>Monitoring</b>	Via SMARTFOX energy manager (my.smartfox.at & APP)			
<b>Certificates, standards</b>	CE, EN 14597, EN IEC 60730-2-9, EN 60335-2-21, EN 60335-1			

## Function overview



## Dimensions



\*The scale refers to the SMARTFOX Pro Heater 6K. The screw-in and total lengths of the product variations are indicated accordingly



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