



09901E00

## Portable Lamps Series HS6145 and HSL145

### Portable Lamps Series HS6145

- For use in Zone 1 and Zone 2
- Comply with requirements of Fire Department standard DIN 14 462
- Battery state display
- Deep discharge protection
- Open circuit monitor
- Light intensity 15.000 cd after 4 hours use
- NiCd battery, gas-tight
- Charging unit available for
  - stationary installation
  - installation into vehicles



### Portable Lamps Series HSL145

- Industrial design without explosion protection

The electronics of portable lamps Series 6145 and Series L145 are resistant to electromagnetic fields, enabling the lamps to be used with radio equipment.

## Zones 1 & 2, Industrial Design

**Selection Table**

Version	Description	Order number	Weight kg
Explosion protected portable lamp  <small>02911E00</small>	with integrated monitoring electronics	<b>6145/1</b>	1.900
	with integrated charging unit and monitoring electronics	<b>6145/2</b>	2.500
Charging unit* (NON-Ex)	230 V without emergency light function	<b>6145/91</b>	2.080
	230 V, with emergency light function	<b>6145/92</b>	2.090
	12 V / 24 V, without emergency light function; for installation into vehicles	<b>6145/93</b>	1.800
Industrial type portable lamps (NON-Ex)  <small>02910E00</small>	with integrated monitoring electronics	<b>L145/1</b>	1.900
	without electronics	<b>L145/3</b>	1.600
Charging unit* (NON-Ex)	230 V, without emergency light function for L145/1 and L145/3	<b>L145/91</b>	2.000
	230 V, with emergency light function for L145/1	<b>L145/92</b>	1.800
	12 V / 24 V, without emergency light function; for installation into vehicles	<b>L145/93</b>	1.000
	230 V, with emergency light function only for L145/3	<b>L145/96</b>	2.000
* Attention: Not for use in hazardous areas. Battery charging outside of hazardous area.			

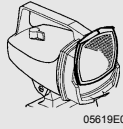
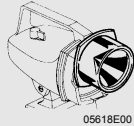


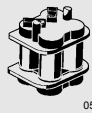



Technical Data					
Version	6145/1 (explosion protected)	6145/2 (explosion protected)	L145/1 (NON-Ex)	L145/3 (NON-Ex)	
Explosion protection	⊕ II 2 G EEx e ib IIC T4		Not explosion protected		
Certificates	PTB 03 ATEX 2150				
Certificate for motor vehicles	e1*72/245*95/54*3406*00		e1*72/245*95/54*3406*00		
Enclosure material	Moulded material; non-abrasive, cold shock resistant; antistatic		Moulded material; non-abrasive, cold shock resistant; antistatic		
Type of Protection	IP54		IP54		
Functions	Continuous or flashing light available with main or economy lamp		Continuous or flashing light available with main or economy lamp	only continuous light available	
Head tilting	forward: 20° back: 90°		forward: 20° back: 90°		
Accessories	Diffusing lens; coloured lenses; warning light; all fitted into slots on lamp head		Diffusing lens; coloured lenses; warning light; all fitted into slots on lamp head		
Range	approx. 100 m bei 1 Lux		approx. 100 m bei 1 Lux		
Light aperture	approx. 100 x 100 mm		approx. 100 x 100 mm		
Light intensity	approx. 15 000 cd to 4 h		approx. 15 000 cd to 4 h		
Lamps					
Main lamp	4.8 V / 4 W (BA15d)		4.8 V / 4 W (BA15d)		
Economy lamp	4.8 V / 1.5 W (BA9s)		4.8 V / 8 W (BA15d)	4.8 V / 8 W (BA15d) Rare-gas	
Luminance time per charge					
Main lamp					
Continuous light	approx. 6 h ... 8 h	approx. 6 h ... 7 h	approx. 3 h		
Flashing light	approx. 23 h	approx. 20 h	approx. 9 h	--	
Economy lamp					
Continuous light	approx. 22 h	approx. 19 h	approx. 22 h		
Flashing light	approx. 80 h	approx. 69 h	approx. 80 h	--	
Elektronics					
Charge state display	The battery charge level is indicated by 2 LEDs		The battery charge level is indicated by 2 LEDs		
	Battery charge level	LEDs LED 1:      LED 2:	Battery charge level	LEDs LED 1:      LED 2:	
	> 75 %	ON            ON	> 75 %	ON            ON	
	> 25 %	OFF           ON	> 25 %	OFF           ON	
	< 25 %	OFF           OFF	< 25 %	OFF           OFF	
Deep discharge protection	When battery voltage is low, automatic switchover to economy lampresidual lighted time 10 min ... 20 min		When battery voltage is low, automatic switchover to economy lampresidual lighted time 10 min ... 20 min		
Open circuit monitor	If main lamp is faulty, switchover to economy lamp		If main lamp is faulty, switchover to economy lamp		
<b>Battery</b>					
Type	NiCd-battery gas-tight		NiCd-battery gas-tight		
Self - discharge	Ambient temperature	Discharge	Ambient temperature	Discharge	
	at 20 °C	50% after 6 weeks	at 20 °C	50% after 6 weeks	
	at 40 °C	50% after 2 weeks	at 40 °C	50% after 2 weeks	
Rated voltage	4.8 V		4.8 V		



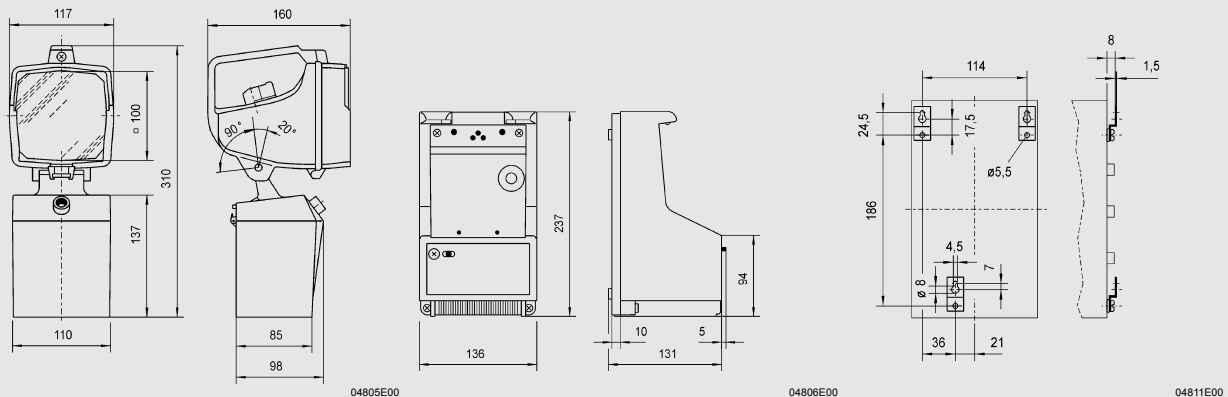
Technical Data								
Charging unit								
Version	6145/92	L145/92	6145/91	L145/91	L145/96	6145/93	L145/93	6145/2
Application	for stationary installation, with emergency light function		for stationary installation, without emergency light function		for stationary installation, without emergency light function (halve charging current)	for installation into vehicles without emergency light function		integrated into light fitting
	<b>Attention:</b> Not for use in hazardous areas. Battery charging outside of hazardous area.					<b>Attention:</b> Not for use in hazardous areas. Battery charging outside of hazardous area.		Charging only outside hazardous area
Housing	Moulded material, black, acid and caustic resistant, self extinguishing					Moulded material, black, acid and caustic resistant, self extinguishing		Moulded material, black, acid and caustic resistant, self extinguishing
Main cable	Length: 2 m; Europlug					Length: 2 m		Length: 2 m; Europlug and coupler
Function	Charging starts when lamp is fitted into charger					Charging starts when lamp is fitted into charger		Charging starts when main cable is plugged
	LED charge indicator	no indicator	LED charge indicator	no indicator	LED charge indicator	LED charge indicator		--
Emergency light function	acc. to VDE 0108; if power supply is switched off, lamp fitted in charging unit becomes effective automatically		without		without		possible, together with 9145/92	
Rated voltage	230 V, AC 50 Hz / 60 Hz				12 V / 24 V, DC (selectable)		230 V, AC 50 Hz / 60 Hz	
Protection class	II (all - insulated)				III (Extra-low voltage)		II (all - insulated)	
Charging time	230 V AC: 14 h				12 V DC: 14 h; 24 V DC: 25 h		230 V AC: 14 h	
Charging current	Constant-current				Constant-current		Constant-current	
	230 V AC: 700 mA				230 V AC: 350 mA	12 V DC: 700 mA; 24 V DC: 400 mA		230 V AC: 700 mA
Protection category	IOI							
	0.51 Ah/day (Charge 1/2h at 700 mA, 16 h interval)							
Installation	free installation or wall mounting possible							
Interference suppression	acc. to VDE 0875							

### Accessories and Spare Parts

Designation	Illustration	Description	Order number	Weight kg	
Auxiliary lens		granulated; fits into slots on lamp head			
		clear	<b>107226</b>	0.500	
		red	<b>107227</b>	0.030	
		green	<b>107230</b>	0.030	
		blue	<b>107228</b>	0.030	
		orange	<b>107229</b>	0.030	
Warning light hood		fits into slots on lamp head; colour: orange deflect light by 90°, for all-round illumination, for use as a warning light where there are obstacles	<b>120209</b>	0.093	
Incandescent lamps		Power saving lamp: 4.8 V / 1.5 W BA9s	<b>120221</b>	0.035	
			Main lamp: 4.8 V / 4 W BA15d	<b>120229</b>	0.030
			Main lamp: 4.8 V / 8 W BA15d	<b>120235</b>	0.026
			Main lamp: 4.8 V / 8 W BA15d (Rare-gas)	<b>120237</b>	0.026
Battery <sup>1)</sup>		<sup>1)</sup> with screw and spring terminals			
		NiCd, gas-tight (explosion protected)	<b>120148</b>	0.880	
		NiCd, gas-tight (NON-Ex)	<b>120142</b>	0.945	
		NiCd, gas-tight with charging unit for 6145/2	<b>120153</b>	0.800	
Main cable		for 6145/2	<b>105504</b>	0.080	

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### Dimensional Drawings (All Dimensions in mm) - Subject to Alterations



Portable lamp 6145, L145

Charging unit for portable lamp 6145, L145; Wall mounting of charging unit not useable in hazardous area

We reserve the right to make alterations to the technical data, weights, dimensions, designs and products available without notice. The illustrations cannot be considered binding.