



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 STAHL logo, consisting of the word "STAHL" in white capital letters inside a blue hexagonal border.

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

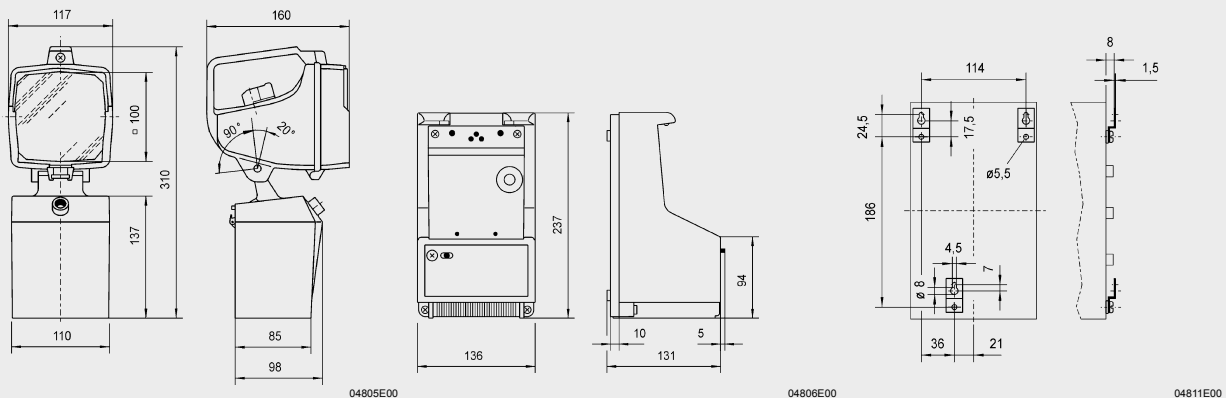
Zones 1 & 2, Industrial design

Selection table

Version	Description	Ordering code	Weight kg
Explosion protected portable lamp  <small>02911E00</small>	with integrated monitoring electronics	6145/1	1,900
	with integrated charging unit and monitoring electronics	6145/2	1,600
Charging unit*	230 V, without emergency light function	6145/91	1,946
	230 V, with emergency light function	6145/92	2,000
	12 V / 24 V, without emergency light function; for installation into vehicles	6145/93	1,800
Industrial type portable lamps (NON-Ex)  <small>02910E00</small>	with integrated monitoring electronics	L145/1	1,900
	without electronics	L145/3	1,600
Charging unit	230 V, without emergency light function	L145/91	2,000
	230 V, with emergency light function	L145/92	1,800
	12 V / 24 V, without emergency light function; for installation into vehicles	L145/93	1,000
	230 V, without emergency light function (Simple version, halve charging current)	L145/96	2,000

* Attention: Not for use in hazardous areas.
Battery charging outside of hazardous area.

Dimension drawings (all dimensions in mm) - subject to alterations



Portable lamp 6145, L145

Charging unit for portable lamp 6145, L145;
not useable in hazardous area

Wall mounting of charging unit



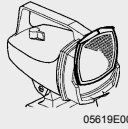
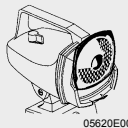
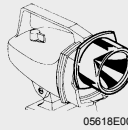


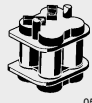


Portable Lamps Series HS6145 and Series HSL145

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	portable lamp	e1*72/245*95/54*3406*00		
	charging unit	e1*72/245*95/54*3591*00		
Housing	Moulded material; non-abrasive, cold shock resistant; antistatic			
Degree of protection	IP 54			
Functions	Continuous or flashing light available with main or economy lamp			only continuous light available
Head tilting	forward: 20° back: 90°			
Accessories	Diffusing lens; coloured lenses; warning light; all fitted into slots on lamp head			
Range	approx. 100 m bei 1 Lux			
Light aperture	approx. 100 x 100 mm			
Light intensity	approx. 15 000 cd to 4 h			
Lamps				
Main lamp	4.8 V / 4 W (BA15d)	4.8 V / 4 W (BA15d)	4.8 V / 4 W (BA15d)	4.8 V / 4 W (BA15d)
Economy lamp	4.8 V / 1.5 W (BA9s)	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	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	approx. 22 h
Flashing light	approx. 80 h	approx. 69 h	approx. 80 h	--
Elektronics	The battery charge level is indicated by 2 LEDs			
Charge state display	Battery charge level	LEDs		
		LED 1:	LED 2:	
		> 75 %	ON	ON
> 25 %	OFF	ON		
< 25 %	OFF	OFF		
Deep discharge protection	When battery voltage is low, automatic switchover to economy lamp residual lighted time 10 min ... 20 min			
Open circuit monitor	If main lamp is faulty, switchover to economy lamp			
Battery				
Type	NiCd-battery gas-tight			
Self - discharge	Ambient temperature		Discharge	
	at 20 °C		50% after 6 weeks	
	at 40 °C		50% after 2 weeks	
Rated voltage	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
	Attention: Not for use in hazardous areas. Battery charging outside of hazardous area.					Attention: 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		--
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		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)		II (all - insulated)			III (Extra-low voltage)		II (all - insulated)
Charging time	230 V AC: 14 h		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		Constant-current
	230 V AC: 700 mA		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							

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Accessories and spare parts				
Designation	Illustration	Description	Ordering code	Weight kg
Auxiliary lense	 05619E00	granulated; fits into slots on lamp head		
		clear	3856140	0,020
		red	3856150	0,500
		green	3856180	0,100
		blue	3856160	0,100
		orange	3856170	0,100
Warning light lense	 05620E00	fits into slots on lamp head		
		orange	3856190	0,100
Warning light hood	 05618E00	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	6145802580	0,093
Incandescent lamps	 05623E00	Power saving lamp: 4.8 V / 1.5 W BA9s	6145803820	0,035
	 05624E00	Main lamp: 4.8 V / 4 W BA15d	6145804820	0,024
		Main lamp: 4.8 V / 8 W BA15d	6145805820	0,026
		Main lamp: 4.8 V / 8 W BA15d (Rare-gas)	6145806820	0,026
Battery ¹⁾	 05613E00	¹⁾ with screw and spring terminals		
		NiCd, gas-tight (explosion protected)	6145005740	0,800
		NiCd, gas-tight (NON-Ex)	6145004740	0,945
		NiCd, gas-tight with charging unit for 6145/2	6145006740	0,800
Main cable	 05880E00	for 6145/2	3096120	0,500
Retaining straps	 05719E00	for securing lamps in the vehicle	6806490	0,010

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.