



SHP980F-25

- Infrared Laser Pointer
- 980 nm, 25 mW
- Focussed Beam
- Control LED
- Laser Class 3B



Description

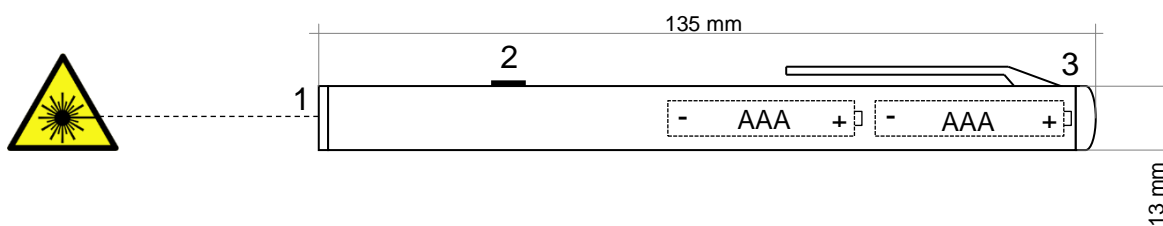
SHP980F-25 is an infrared laser pointer emitting at typically 980 nm with rated output power of 25 mW cw. It features a focused beam characteristic (focus distance 2cm), which gives it very high power densities despite the limited output power. A control LEDs allows to check on the status of the batteries. **SHP980F-25** is widely used to check security markers in banknotes, credit cards, and tickets. Transport case & batteries are included.

Specifications

Parameter	Values			Unit
	Min.	Typ.	Max.	
Wavelength		980		nm
Output Power		25		mW
Laser Class		3B		
Beam Mode	Continuous Wave			
Operating Temperature	- 10		40	°C
Operating Humidity (rel.)	40		70	%
Storage Temperature	- 40		70	°C
Body Material	brass, polished chrome finish			
Lens Material	PMMA			
Weight (incl. batteries)	75			g
Power Source	2 x 1.5 V AAA alkaline batteries			



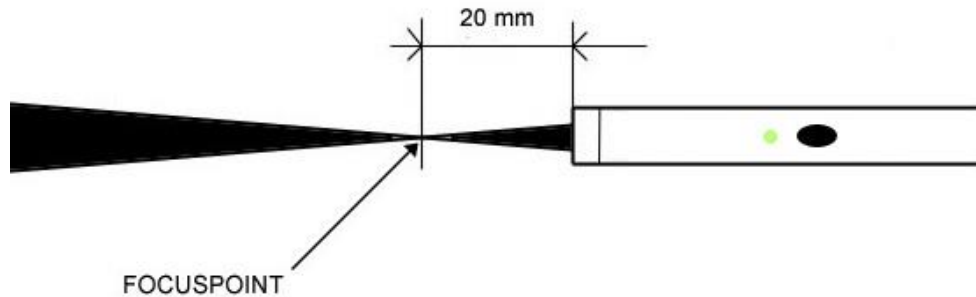
Outline and Components



No.	Function
1	laser beam outlet
2	laser push button (ON/OFF)
3	battery compartment

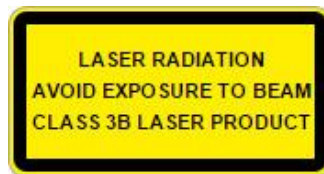


Output Characteristics



Safety Instructions

- **This laser is intended for pointing out details on objects/blackboards during lecturing**
- **Laser radiation, direct and indirect can be dangerous to the naked eye**
 - Before operating the laser pointer make sure nobody is in or near the projection area
 - Do not look into the laser beam
 - Do not point the laser into the sky
 - Do not point the laser towards other humans or animals
 - Do not point the laser towards vehicles
 - Do not point the laser at mirrors or any reflective surfaces
- **Do not expose the laser pointer to high temperature, moisture, or vibration**
- **Do not give the laser pointer to unauthorized persons**
- **Do keep the laser pointer out of the reach of children**
- **Do not open the device. Maintenance must only be carried out by qualified personnel**
- **This product is a class 3B laser device (EN 60825-1:2007)**



Operation



Do never point the laser beam directly at persons/animals/vehicles

- The laser pointer is switched ON and OFF by means of a push button (2)
- If the push button (2) is pressed, the laser radiation emits through the laser outlet (1)
- If the push button (2) is released, the laser radiation is stopped



- **This laser pointer has been designed for intermittent use. If operated over 3 minutes continually, the temperature of the internal laser diode may exceed critical threshold, thereby negatively affecting the laser pointers performance and life time**



Insertion/Replacement/Disposal of Batteries

- Do only use brand new 1.5V AAA (micro) batteries of good quality
- Make sure batteries are inserted with correct polarity
- Batteries must not be short circuit or thrown into the fire
- Do not attempt to recharge the batteries
- Do not mix batteries of different charge state



As the end user, you are required by law, to return all flat batteries to your local waste collection place. Disposal of batteries in the household waste is prohibited

→ **Protect your environment**

Disposal



Disposal of an unserviceable product has to be made in accordance with the relevant statutory regulations effective in your country

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The above specifications are for reference purpose only and subjected to change without prior notice