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## RLP-980F

- Infrared Laser Pointer
- 980 nm, 20, 50, & 100 mW
- Control LED
- Focused Beam
- Automatic Power Control
- Transport case & Batteries incl.



### Description

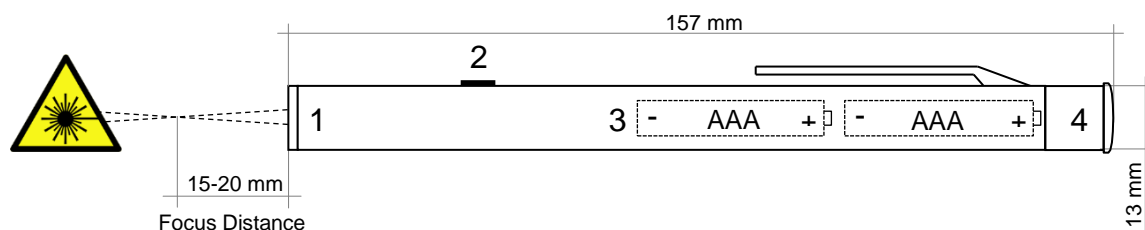


**RLP-980F** is a range of IR diode laser pointers emitting at typically **980 nm**, available with an output power of 20, 50, & 100 mW. An integrated **Automatic Power Control (APC)** circuit ensures excellent output power stability. It features a **focused laser beam** with a **focus distance of 15-20 mm**. **RLP-980F** comes in a polished chrome housing with **control LED** and **safety key switch** for safe operation, and is powered by **2 x 1.5V AAA** alkaline batteries (included). Custom engraving is available on request.

### Specifications (T<sub>CASE</sub> = 25°C)

Parameter	Values			Unit
	Min.	Typ.	Max.	
Wavelength	970	980	990	nm
Operating Temperature	10		50	°C
Operating Humidity (rel.)	40		70	%
Storage Temperature	-20		60	°C
Beam Diameter @ Focus		< 1		mm
Focus Distance	15	20		mm
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

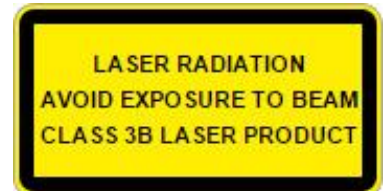


No.	Function
1	laser beam outlet
2	laser push button (ON/OFF)
3	battery compartment
4	cap & safety key switch



## 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 personal**
- **This product is a class 3B laser device (EN 60825-1:2014)**



## 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 recharged, short circuit or thrown into the fire
- 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**

## 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 laser diode may exceed critical threshold, thereby negatively affecting the laser pointers performance and life time**



## Disposal



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