



## Direct Vision Spectroscope By Pellin



1 500 EUR

Signature : PELLIN

Period : 19th century

Condition : Très bon état

Material : Brass

Length : 64 cm

Width : 27 cm

Height : 48 cm

### Description

Signed: "Ph. F. Pellin | Paris | No. 1237", c. 1880. Gilt brass, on a cast iron tripod base. Instrument used to produce and study the spectra of different light sources. Apparatus composed of a collimator, a prism, a telescope, and a micrometer. Model with internal prism and tangent screw mechanisms. The collimator consists of a tube with a vertical slit at one end, illuminated by the light source to be studied. This slit is made of two metal plates that can be brought together at will by a pressure screw; it is positioned at the principal focus of a converging lens mounted at the other end of the tube. This collimator serves to parallel the rays that are to fall on the prism. The micrometer provides reference points for the different regions of the spectrum. This micrometer was illuminated by a

### Dealer

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Bunsen burner connected to the base of the instrument by a valve. After adjustment, the lines of the light spectrum could thus be identified and interpreted\*. Beautiful model of a physics laboratory signed "Ph. F. Pellin Paris" for Philibert François Pellin\*\* (1847-1923), who took over the Parisian firm founded by Soleil Père in 1823, bequeathed to his son-in-law Jules Duboscq from 1843 to 1883, who partnered with Philibert François Pellin from 1883 to 1886, who continued alone before partnering in 1900 with his son Félix Marie Pellin. \*Similar models signed Pellin in: Francis Girès, Encyclopédie des instruments de l'enseignement de la Physique, 2016, T. 2, pp. 776, fig. 1 and 779, fig. 1. \*\*Fromanger & Marcellin, Fecit - Dictionnaire des fabricants français..., 2021, p. 147. Instrument in very good condition.