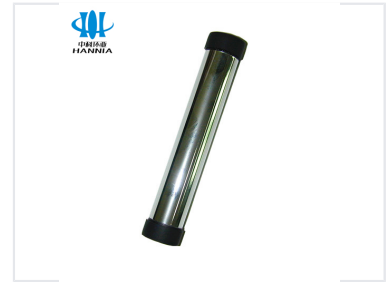


Prismatic Light Spectroscope for Spectral Analysis

This scientific instrument separates and analyzes the spectral components of light. It utilizes a prism to disperse light into its constituent wavelengths for observation and measurement of the spectrum.



Product Overview

Professional Prismatic Spectroscope

This handheld prismatic spectroscope is an essential tool for gemologists, designed to analyze the spectral components of light transmitted through gemstones. By dispersing light into its constituent wavelengths via a high-quality prism, it allows for the identification of absorption lines caused by specific chemical elements. This analytical process is critical for distinguishing natural gemstones from synthetics and identifying specific color-causing elements.

Technical Features

Key Analytical Capabilities

- Distinguish natural diamonds from irradiated stones
- Differentiate natural stones from synthetic counterparts
- Identify color-causing elements in gemstones
- Analyze gemstone absorption lines

Primary Applications

Gemstone Identification, Spectral Analysis, Laboratory Testing, Field Research

Design and Build

Construction

Durable, polished metal

Optical Quality

High-quality prism for optimal spectral dispersion