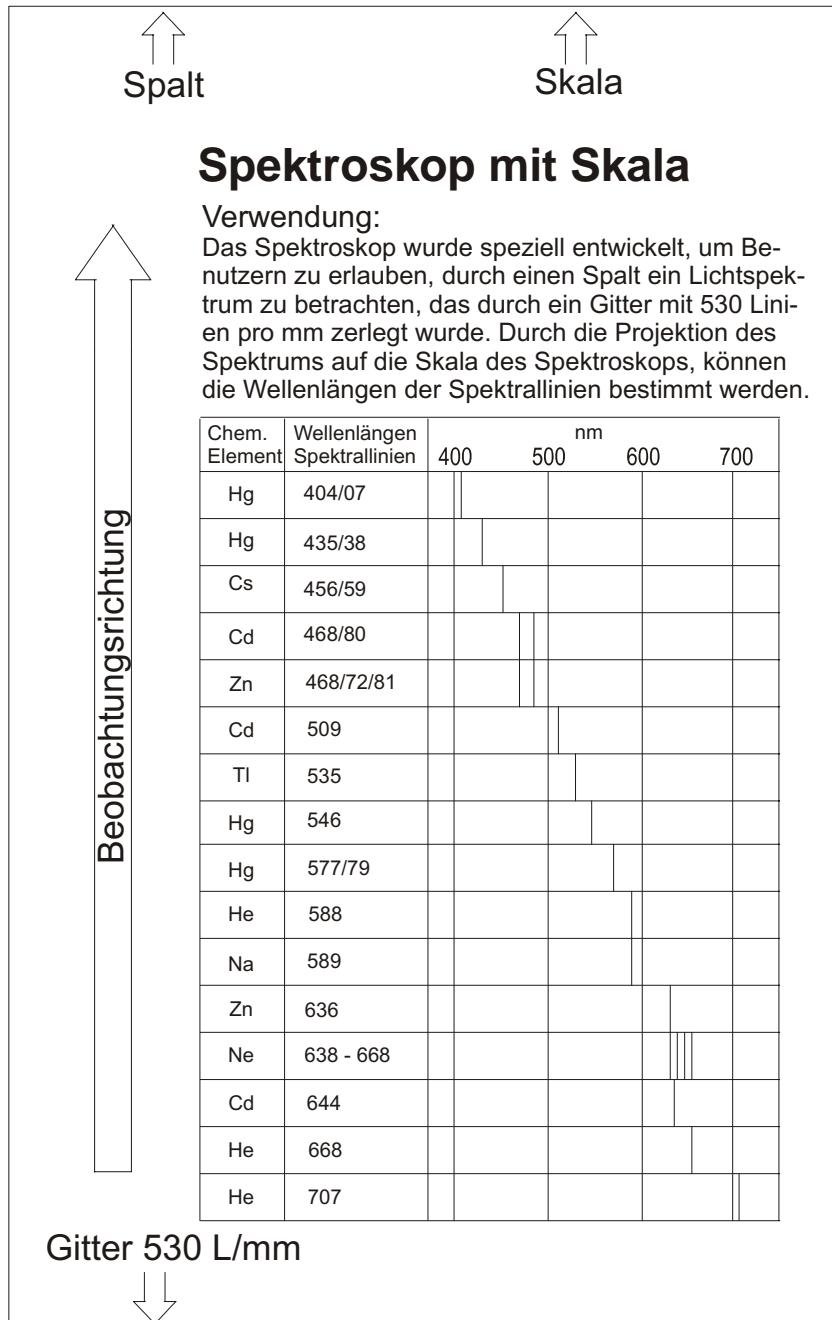


Spektroskop in Karton 1003183

Bedienungsanleitung

08/13 ALF



The diagram illustrates the optical path of a spectrometer. Light enters from the bottom, passes through a slit labeled "Spalt", and is directed upwards towards a scale labeled "Skala". A vertical arrow on the left indicates the "Beobachtungsrichtung" (observation direction) pointing upwards. At the bottom, an arrow points downwards towards a label "Gitter 530 L/mm", which identifies the diffraction grating.

Spektroskop mit Skala

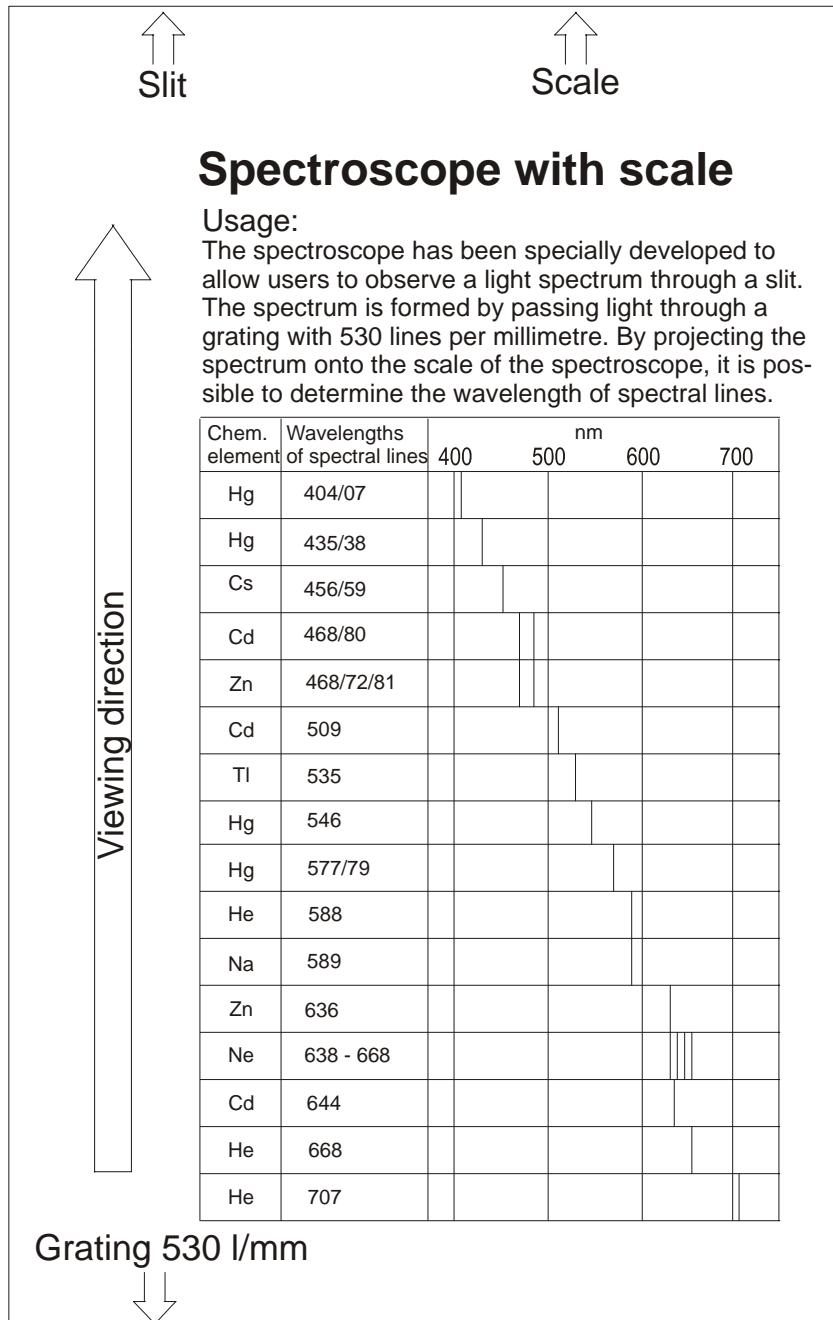
Verwendung:
Das Spektroskop wurde speziell entwickelt, um Benutzern zu erlauben, durch einen Spalt ein Lichtspektrum zu betrachten, das durch ein Gitter mit 530 Linien pro mm zerlegt wurde. Durch die Projektion des Spektrums auf die Skala des Spektroskops, können die Wellenlängen der Spektrallinien bestimmt werden.

Chem. Element	Wellenlängen Spektrallinien	nm			
		400	500	600	700
Hg	404/07				
Hg	435/38				
Cs	456/59				
Cd	468/80				
Zn	468/72/81				
Cd	509				
Tl	535				
Hg	546				
Hg	577/79				
He	588				
Na	589				
Zn	636				
Ne	638 - 668				
Cd	644				
He	668				
He	707				

Spectroscope in Card Board Box 1003183

Instruction manual

08/13 ALF



Spectroscope with scale

Usage:
 The spectroscope has been specially developed to allow users to observe a light spectrum through a slit. The spectrum is formed by passing light through a grating with 530 lines per millimetre. By projecting the spectrum onto the scale of the spectroscope, it is possible to determine the wavelength of spectral lines.

Chem. element	Wavelengths of spectral lines	400 nm	500 nm	600 nm	700 nm
Hg	404/07				
Hg	435/38				
Cs	456/59				
Cd	468/80				
Zn	468/72/81				
Cd	509				
Tl	535				
Hg	546				
Hg	577/79				
He	588				
Na	589				
Zn	636				
Ne	638 - 668				
Cd	644				
He	668				
He	707				

Spectroscope plat 1003183

Instructions d'utilisation

08/13 ALF

 Fente
 Échelle graduée

Spectroscope d'observation à échelle graduée

Utilisation :

Ce spectroscope a été spécialement conçu pour permettre aux utilisateurs d'observer à travers une fente le spectre de la lumière décomposée par un réseau de 530 traits au mm. La superposition du spectre ainsi sur l'échelle graduée du spectroscope, permet de mesurer succinctement les principales longueurs d'ondes des raies des lampes spectrales à votre disposition.

Élément chem.	Longueurs d'ondes des raies spectrales	nm			
		400	500	600	700
Hg	404/07				
Hg	435/38				
Cs	456/59				
Cd	468/80				
Zn	468/72/81				
Cd	509				
Tl	535				
Hg	546				
Hg	577/79				
He	588				
Na	589				
Zn	636				
Ne	638 - 668				
Cd	644				
He	668				
He	707				

Sens d'observation

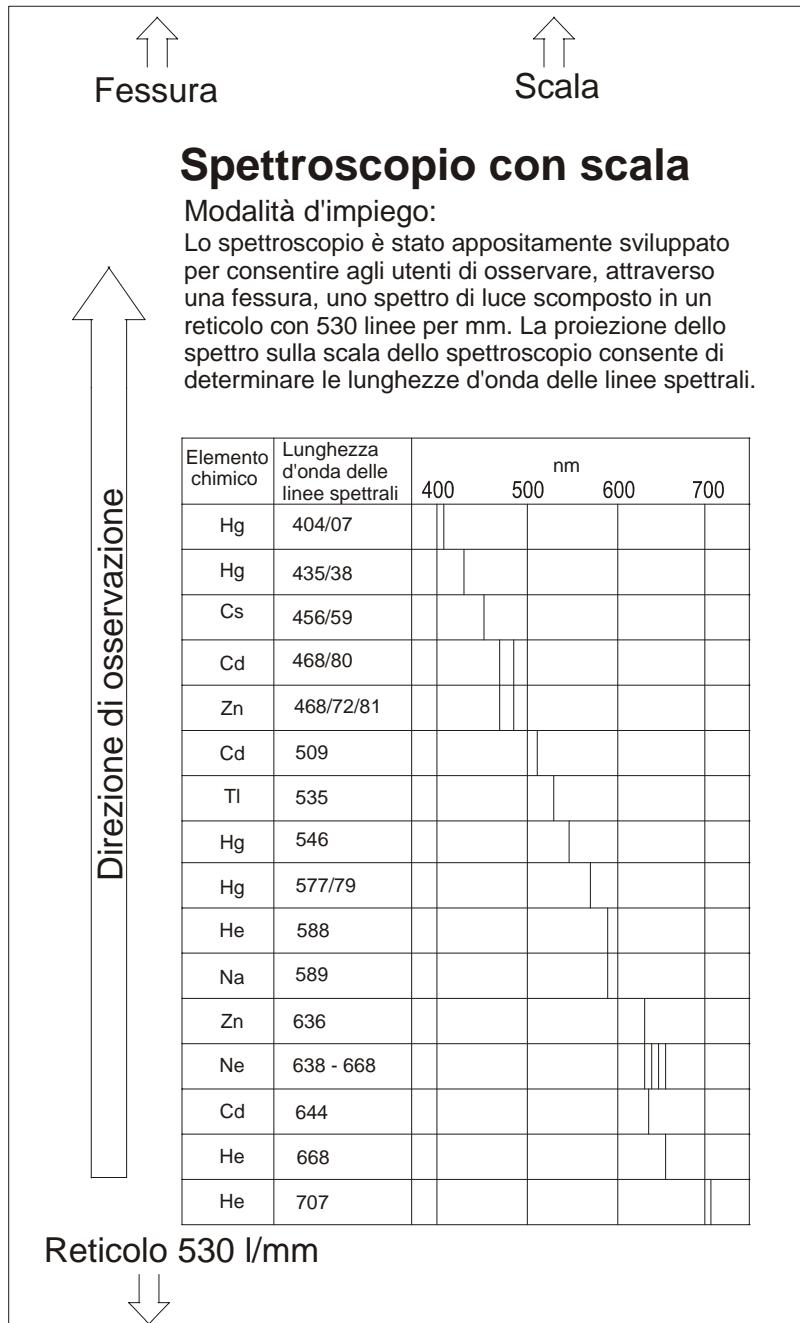

Réseau 530 T/mm



Spettroscopio in contenitore di cartone 1003183

Istruzioni per l'uso

08/13 ALF



Spettroscopio con scala

Modalità d'impiego:
 Lo spettroscopio è stato appositamente sviluppato per consentire agli utenti di osservare, attraverso una fessura, uno spettro di luce scomposto in un reticolo con 530 linee per mm. La proiezione dello spettro sulla scala dello spettroscopio consente di determinare le lunghezze d'onda delle linee spettrali.

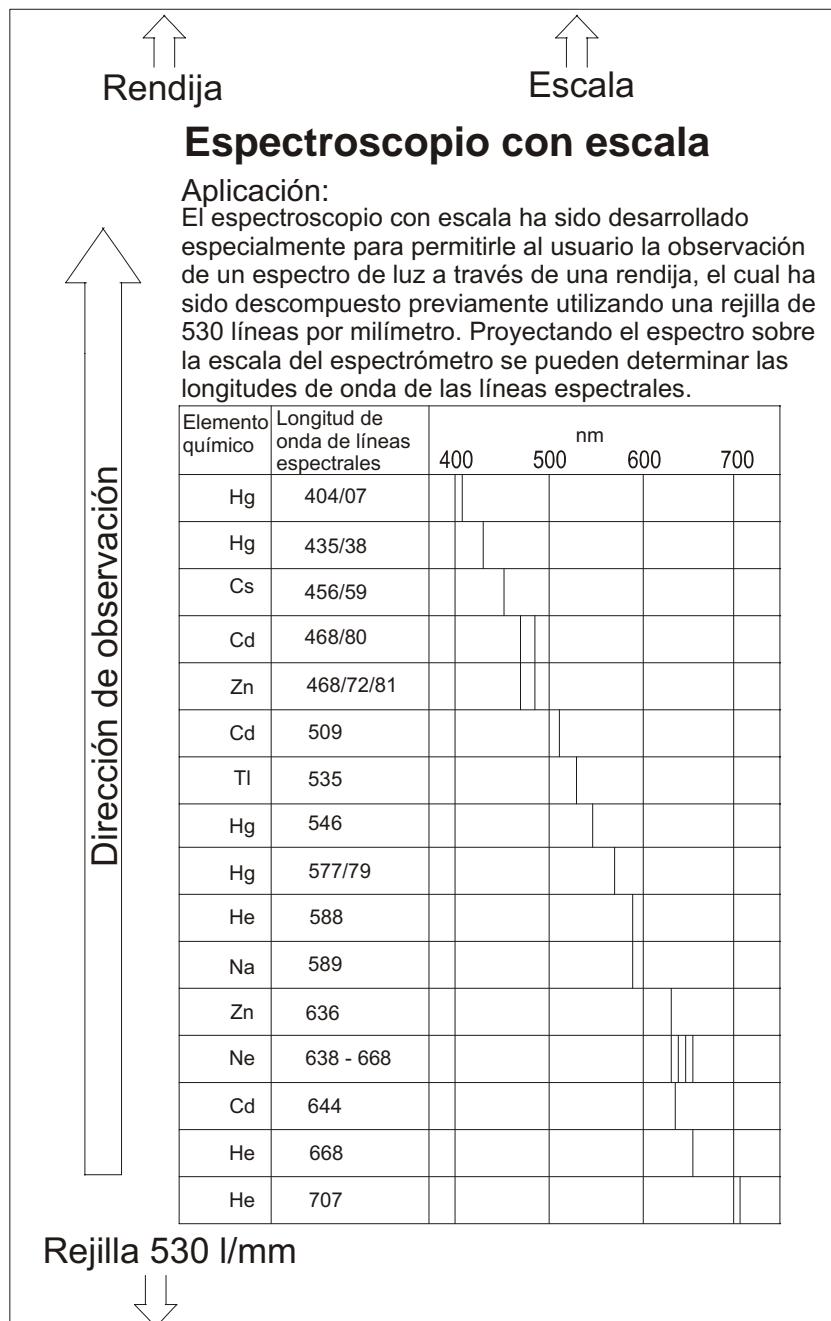
Elemento chimico	Lunghezza d'onda delle linee spettrali	nm			
		400	500	600	700
Hg	404/07	/			
Hg	435/38	/	/		
Cs	456/59		/		
Cd	468/80		/	/	
Zn	468/72/81		/		
Cd	509			/	
Tl	535			/	
Hg	546			/	
Hg	577/79			/	
He	588			/	
Na	589			/	
Zn	636			/	
Ne	638 - 668			/ /	
Cd	644			/	
He	668			/	
He	707			/	

Reticolo 530 l/mm

Espectroscopio de cartón 1003183

Instrucciones de uso

08/13 ALF



Espectroscópio em caixa de papelão 1003183

Instruções de uso

08/13 ALF

↑
Fenda
↑
Escala

Espectroscópio com escala

↑
Direção de observação

Utilização:
 O espectroscópio foi especialmente desenvolvido para permitir aos usuários observar por uma fenda um espectro de luz que foi fragmentado por uma grade com 530 linhas por mm. Através da projeção do espectro na escala do espectroscópio, podem ser determinados os comprimentos de onda das linhas espectrais.

Elemento químico	Comprimentos de onda das linhas espectrais	nm			
		400	500	600	700
Hg	404/07				
Hg	435/38				
Cs	456/59				
Cd	468/80				
Zn	468/72/81				
Cd	509				
Tl	535				
Hg	546				
Hg	577/79				
He	588				
Na	589				
Zn	636				
Ne	638 - 668				
Cd	644				
He	668				
He	707				

Grade 530 l/mm

