

Symbol	Typ	Titel
G	Sektion	PHYSICS
G01	Untersektion	INSTRUMENTS
G01	Klasse	MEASURING (counting G06M); TESTING
G01J	Unterklasse	MEASUREMENT OF INTENSITY, VELOCITY, SPECTRAL CONTENT, POLARISATION, PHASE OR PULSE CHARACTERISTICS OF INFRA-RED, VISIBLE OR ULTRA-VIOLET LIGHT; COLORIMETRY; RADIATION PYROMETRY (light sources F21 , H01J , H01K , H05B; investigating properties of materials by optical means G01N) [2]
G01J 1/00	Hauptgruppe	Photometry, e.g. photographic exposure meter (spectrophotometry G01J 3/00; specially adapted for radiation pyrometry G01J 5/00)
G01J 1/02	1-Punkt Untergruppe	. Details
G01J 1/04	2-Punkt Untergruppe	. . Optical or mechanical part
G01J 1/06	3-Punkt Untergruppe	. . . Restricting the angle of incident light
G01J 1/08	2-Punkt Untergruppe	. . Arrangements of light sources specially adapted for photometry
G01J 1/10	1-Punkt Untergruppe	. by comparison with reference light or electric value
G01J 1/12	2-Punkt Untergruppe	. . using wholly visual means (G01J 1/20 takes precedence)
G01J 1/14	3-Punkt Untergruppe	. . . using comparison with a surface of graded brightness
G01J 1/16	2-Punkt Untergruppe	. . using electric radiation detectors (G01J 1/20 takes precedence)
G01J 1/18	3-Punkt Untergruppe	. . . using comparison with a reference electric value
G01J 1/20	2-Punkt Untergruppe	. . intensity of the measured or reference value being varied to equalise their effects at the detector, e.g. by varying incidence angle
G01J 1/22	3-Punkt Untergruppe	. . . using a variable element in the light-path, e.g. filter, polarising means (G01J 1/34 takes precedence)
G01J 1/24	4-Punkt Untergruppe	 using electric radiation detectors
G01J 1/26	5-Punkt Untergruppe	 adapted for automatic variation of the measured or reference value (regulation of light intensity G05D 25/00)
G01J 1/28	3-Punkt Untergruppe	. . . using variation of intensity or distance of source (G01J 1/34 takes precedence)
G01J 1/30	4-Punkt Untergruppe	 using electric radiation detectors
G01J 1/32	5-Punkt Untergruppe	 adapted for automatic variation of the measured or reference value (regulation of light intensity G05D 25/00)
G01J 1/34	3-Punkt Untergruppe	. . . using separate light-paths used alternately or sequentially, e.g. flicker
G01J 1/36	4-Punkt Untergruppe	 using electric radiation detectors
G01J 1/38	1-Punkt Untergruppe	. using wholly visual means (G01J 1/10 takes precedence)
G01J 1/40	2-Punkt Untergruppe	. . using limit of visibility or extinction effect
G01J 1/42	1-Punkt Untergruppe	. using electric radiation detectors (optical or mechanical part G01J 1/04; by comparison with a reference light or electric value G01J 1/10)
G01J 1/44	2-Punkt Untergruppe	. . Electric circuits
G01J 1/46	3-Punkt Untergruppe	. . . using a capacitor

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G01J 1/48	1-Punkt Untergruppe	. using chemical effects
G01J 1/50	2-Punkt Untergruppe	. . using change in colour of an indicator, e.g. actinometer
G01J 1/52	2-Punkt Untergruppe	. . using photographic effects
G01J 1/54	2-Punkt Untergruppe	. . by observing photo-reactions between gases
G01J 1/56	1-Punkt Untergruppe	. using radiation pressure or radiometer effect
G01J 1/58	1-Punkt Untergruppe	. using luminescence generated by light
G01J 1/60	1-Punkt Untergruppe	. by measuring the pupil of the eye
G01J 3/00	Hauptgruppe	Spectrometry; Spectrophotometry; Monochromators; Measuring colours [4]
G01J 3/02	1-Punkt Untergruppe	. Details
G01J 3/04	2-Punkt Untergruppe	. . Slit arrangements
G01J 3/06	2-Punkt Untergruppe	. . Scanning arrangements
G01J 3/08	2-Punkt Untergruppe	. . Beam-switching arrangements
G01J 3/10	2-Punkt Untergruppe	. . Arrangements of light sources specially adapted for spectrometry or colorimetry
G01J 3/12	1-Punkt Untergruppe	. Generating the spectrum; Monochromators
G01J 3/14	2-Punkt Untergruppe	. . using refracting elements, e.g. prism (G01J 3/18 , G01J 3/26 take precedence)
G01J 3/16	3-Punkt Untergruppe	. . . with autocollimation
G01J 3/18	2-Punkt Untergruppe	. . using diffraction elements, e.g. grating (gratings per se G02B)
G01J 3/20	3-Punkt Untergruppe	. . . Rowland circle spectrometers
G01J 3/22	3-Punkt Untergruppe	. . . Littrow mirror spectrometers
G01J 3/24	3-Punkt Untergruppe	. . . using gratings profiled to favour a specific order
G01J 3/26	2-Punkt Untergruppe	. . using multiple reflection, e.g. Fabry-Perot interferometer, variable interference filter
G01J 3/28	1-Punkt Untergruppe	. Investigating the spectrum (using colour filters G01J 3/51) [4]
G01J 3/30	2-Punkt Untergruppe	. . Measuring the intensity of spectral lines directly on the spectrum itself (G01J 3/42 , G01J 3/44 take precedence)
G01J 3/32	3-Punkt Untergruppe	. . . Investigating bands of a spectrum in sequence by a single detector
G01J 3/36	3-Punkt Untergruppe	. . . Investigating two or more bands of a spectrum by separate detectors
G01J 3/40	2-Punkt Untergruppe	. . Measuring the intensity of spectral lines by determining density of a photograph of the spectrum; Spectrography (G01J 3/42 , G01J 3/44 take precedence) [4]
G01J 3/42	2-Punkt Untergruppe	. . Absorption spectrometry; Double-beam spectrometry; Flicker spectrometry; Reflection spectrometry (beam-switching arrangements G01J 3/08) [4]
G01J 3/427	3-Punkt Untergruppe	. . . Dual wavelength spectrometry [4]
G01J 3/433	3-Punkt Untergruppe	. . . Modulation spectrometry; Derivative spectrometry [4]
G01J 3/44	2-Punkt Untergruppe	. . Raman spectrometry; Scattering spectrometry [4]
G01J 3/443	2-Punkt Untergruppe	. . Emission spectrometry [4]

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G01J 3/447	2-Punkt Untergruppe	. . Polarisation spectrometry [4]
G01J 3/45	2-Punkt Untergruppe	. . Interferometric spectrometry [4]
G01J 3/453	3-Punkt Untergruppe	. . . by correlation of the amplitudes [4]
G01J 3/457	2-Punkt Untergruppe	. . Correlation spectrometry, e.g. of the intensity (G01J 3/453 takes precedence) [4]
G01J 3/46	1-Punkt Untergruppe	. Measurement of colour; Colour measuring devices, e.g. colorimeters (measuring colour temperature G01J 5/60) [4]
G01J 3/50	2-Punkt Untergruppe	. . using electric radiation detectors [4]
G01J 3/51	3-Punkt Untergruppe	. . . using colour filters [4]
G01J 3/52	2-Punkt Untergruppe	. . using colour charts
G01J 4/00	Hauptgruppe	Measuring polarisation of light (investigating or analysing materials by measuring rotation of plane of polarised light G01N 21/21) [2]
G01J 4/02	1-Punkt Untergruppe	. Polarimeters of separated-field type; Polarimeters of half-shadow type [2]
G01J 4/04	1-Punkt Untergruppe	. Polarimeters using electric detection means (G01J 4/02 takes precedence) [2]
G01J 5/00	Hauptgruppe	Radiation pyrometry (photometry in general G01J 1/00; spectrometry in general G01J 3/00)
G01J 5/02	1-Punkt Untergruppe	. Details
G01J 5/04	2-Punkt Untergruppe	. . Casings
G01J 5/06	2-Punkt Untergruppe	. . Arrangements for eliminating effects of disturbing radiation
G01J 5/08	2-Punkt Untergruppe	. . Optical features
G01J 5/10	1-Punkt Untergruppe	. using electric radiation detectors
G01J 5/12	2-Punkt Untergruppe	. . using thermoelectric elements, e.g. thermocouples (thermoelectric elements per se H01L 35/00 , H01L 37/00)
G01J 5/14	3-Punkt Untergruppe	. . . Electrical features
G01J 5/16	4-Punkt Untergruppe	 Arrangements with respect to the cold junction; Compensating influence of ambient temperature or other variables
G01J 5/18	4-Punkt Untergruppe	 Special adaptation for indicating or recording (indicating or recording measured values in general G01D)
G01J 5/20	2-Punkt Untergruppe	. . using resistors, thermistors, or semiconductors sensitive to radiation
G01J 5/22	3-Punkt Untergruppe	. . . Electrical features
G01J 5/24	4-Punkt Untergruppe	 Use of a specially-adapted circuit, e.g. bridge circuit
G01J 5/26	4-Punkt Untergruppe	 Special adaptation for indicating or recording
G01J 5/28	2-Punkt Untergruppe	. . using photo-emissive, photo-conductive, or photo-voltaic cells
G01J 5/30	3-Punkt Untergruppe	. . . Electrical features
G01J 5/32	4-Punkt Untergruppe	 Special adaptation for indicating or recording
G01J 5/34	2-Punkt Untergruppe	. . using capacitors
G01J 5/36	2-Punkt Untergruppe	. . using ionisation of gases
G01J 5/38	1-Punkt Untergruppe	. using extension or expansion of solids or fluids

Symbol	Typ	Titel
G01J 5/40	2-Punkt Untergruppe	. . using bimetallic elements
G01J 5/42	2-Punkt Untergruppe	. . using Golay cells
G01J 5/44	2-Punkt Untergruppe	. . using change of resonant frequency, e.g. of piezo-electric crystal
G01J 5/46	1-Punkt Untergruppe	. using radiation pressure or radiometer effect
G01J 5/48	1-Punkt Untergruppe	. using wholly visual means
G01J 5/50	1-Punkt Untergruppe	. using techniques specified in the subgroups below
G01J 5/52	2-Punkt Untergruppe	. . using comparison with reference sources, e.g. disappearing-filament pyrometer
G01J 5/54	3-Punkt Untergruppe	. . . Optical features
G01J 5/56	3-Punkt Untergruppe	. . . Electrical features
G01J 5/58	2-Punkt Untergruppe	. . using absorption; using polarisation; using extinction effect
G01J 5/60	2-Punkt Untergruppe	. . using determination of colour temperature
G01J 5/62	2-Punkt Untergruppe	. . using means for chopping the light
G01J 7/00	Hauptgruppe	Measuring velocity of light
G01J 9/00	Hauptgruppe	Measuring optical phase difference (devices or arrangements for controlling the phase of light beams G02F 1/01); Determining degree of coherence; Measuring optical wavelength (spectrometry G02F 3/00) [3]
G01J 9/02	1-Punkt Untergruppe	. by interferometric methods (using interferometers for measuring optically the linear dimensions of objects G01B 9/02) [3]
G01J 9/04	1-Punkt Untergruppe	. by beating two waves of the same source but of different frequency and measuring the phase shift of the lower frequency obtained [3]
G01J 11/00	Hauptgruppe	Measuring the characteristics of individual optical pulses or of optical pulse trains [5]