

Symbol	Typ	Titel
G	Sektion	PHYSICS
G01	Untersektion	INSTRUMENTS
G01	Klasse	MEASURING (counting G06M); TESTING
G01P	Unterklasse	MEASURING LINEAR OR ANGULAR SPEED, ACCELERATION, DECELERATION, OR SHOCK; INDICATING PRESENCE, ABSENCE, OR DIRECTION, OF MOVEMENT (measuring or recording blood flow A61B 5/02 , A61B 8/06; monitoring speed or deceleration of electrically-propelled vehicles B60L 3/00; vehicle lighting systems adapted to indicate speed B60Q 1/54; determining position or course in navigation, measuring ground distance in geodesy or surveying G01C; combined measuring devices for measuring two or more variables of movement G01C 23/00; measuring velocity of sound G01H; measuring velocity of light G01J 7/00; determining direction or velocity of solid objects by reflection or reradiation of radio or other waves and based on propagation effects, e.g. Doppler effect, propagation time, direction of propagation, G01S; measuring speed of nuclear radiation G01T; measuring acceleration of gravity G01V)
G01P 1/00	Hauptgruppe	Details of instruments
G01P 1/02	1-Punkt Untergruppe	. Housings
G01P 1/04	1-Punkt Untergruppe	. Special adaptations of driving means
G01P 1/07	1-Punkt Untergruppe	. Indicating devices, e.g. for remote indication (indicating working conditions of vehicles G07C 5/00) [3]
G01P 1/08	2-Punkt Untergruppe	. . Arrangements of scales, pointers, lamps, or acoustic indicators, e.g. in automobile speedometers
G01P 1/10	3-Punkt Untergruppe	. . . for indicating predetermined speeds
G01P 1/11	4-Punkt Untergruppe	 by the detection of the position of the indicator needle [3]
G01P 1/12	1-Punkt Untergruppe	. Recording devices (registering working conditions of vehicles G07C 5/00) [3]
G01P 1/14	2-Punkt Untergruppe	. . for permanent recording [3]
G01P 1/16	2-Punkt Untergruppe	. . for erasable recording, e.g. magnetic recording [3]
G01P 3/00	Hauptgruppe	Measuring linear or angular speed; Measuring differences of linear or angular speeds (G01P 5/00 to G01P 11/00 take precedence; counting mechanisms G06M)
G01P 3/02	1-Punkt Untergruppe	. Devices characterised by the use of mechanical means
G01P 3/04	2-Punkt Untergruppe	. . by comparing two speeds
G01P 3/06	3-Punkt Untergruppe	. . . using a friction gear
G01P 3/08	3-Punkt Untergruppe	. . . using differential gearing
G01P 3/10	2-Punkt Untergruppe	. . by actuating an indicating element, e.g. pointer, for a fixed time
G01P 3/12	2-Punkt Untergruppe	. . by making use of a system excited by impact
G01P 3/14	2-Punkt Untergruppe	. . by exciting one or more mechanical resonance systems
G01P 3/16	2-Punkt Untergruppe	. . by using centrifugal forces of solid masses (governors G05D 13/00)
G01P 3/18	3-Punkt Untergruppe	. . . transferred to the indicator by mechanical means
G01P 3/20	3-Punkt Untergruppe	. . . transferred to the indicator by fluid means
G01P 3/22	3-Punkt Untergruppe	. . . transferred to the indicator by electric or magnetic means
G01P 3/24	2-Punkt Untergruppe	. . by using friction effects (G01P 3/06 takes precedence)

Symbol	Typ	Titel
G01P 3/26	1-Punkt Untergruppe	. Devices characterised by the use of fluids
G01P 3/28	2-Punkt Untergruppe	. . by using pumps
G01P 3/30	2-Punkt Untergruppe	. . by using centrifugal forces of fluids
G01P 3/32	3-Punkt Untergruppe	. . . in a rotary container communicating with a fixed container
G01P 3/34	2-Punkt Untergruppe	. . by using friction effects
G01P 3/36	1-Punkt Untergruppe	. Devices characterised by the use of optical means, e.g. using infra-red, visible, or ultra-violet light (G01P 3/68 takes precedence; gyrometers using the Sagnac effect, i.e. rotation-induced shifts between counter-rotating electromagnetic beams, G01C 19/64)
G01P 3/38	2-Punkt Untergruppe	. . using photographic means
G01P 3/40	2-Punkt Untergruppe	. . using stroboscopic means
G01P 3/42	1-Punkt Untergruppe	. Devices characterised by the use of electric or magnetic means (G01P 3/66 takes precedence; measuring electric or magnetic values in general G01R)
G01P 3/44	2-Punkt Untergruppe	. . for measuring angular speed (G01P 3/56 takes precedence)
G01P 3/46	3-Punkt Untergruppe	. . . by measuring amplitude of generated current or voltage
G01P 3/48	3-Punkt Untergruppe	. . . by measuring frequency of generated current or voltage
G01P 3/481	4-Punkt Untergruppe	 of pulse signals [3]
G01P 3/482	5-Punkt Untergruppe	 delivered by nuclear radiation detectors [3]
G01P 3/483	5-Punkt Untergruppe	 delivered by variable capacitance detectors [3]
G01P 3/484	5-Punkt Untergruppe	 delivered by contact-making switches [3]
G01P 3/486	5-Punkt Untergruppe	 delivered by photo-electric detectors [3]
G01P 3/487	5-Punkt Untergruppe	 delivered by rotating magnets [3]
G01P 3/488	5-Punkt Untergruppe	 delivered by variable reluctance detectors [3]
G01P 3/489	5-Punkt Untergruppe	 Digital circuits therefor [3]
G01P 3/49	3-Punkt Untergruppe	. . . using eddy currents
G01P 3/495	4-Punkt Untergruppe	 where the indicating means responds to forces produced by the eddy currents and the generating magnetic field [3]
G01P 3/50	2-Punkt Untergruppe	. . for measuring linear speed (G01P 3/56 takes precedence)
G01P 3/52	3-Punkt Untergruppe	. . . by measuring amplitude of generated current or voltage
G01P 3/54	3-Punkt Untergruppe	. . . by measuring frequency of generated current or voltage
G01P 3/56	2-Punkt Untergruppe	. . for comparing two speeds
G01P 3/58	3-Punkt Untergruppe	. . . by measuring or comparing amplitudes of generated currents or voltages
G01P 3/60	3-Punkt Untergruppe	. . . by measuring or comparing frequency of generated currents or voltages
G01P 3/62	1-Punkt Untergruppe	. Devices characterised by the determination of the variation of atmospheric pressure with height to measure the vertical components of speed (measuring pressure in general G01L)

Symbol	Typ	Titel
G01P 3/64	1-Punkt Untergruppe	. Devices characterised by the determination of the time taken to traverse a fixed distance
G01P 3/66	2-Punkt Untergruppe	. . using electric or magnetic means (G01P 3/80 takes precedence; measuring short time intervals G04F) [4]
G01P 3/68	2-Punkt Untergruppe	. . using optical means, i.e. using infra-red, visible, or ultra-violet light (G01P 3/80 takes precedence) [4]
G01P 3/80	2-Punkt Untergruppe	. . using auto-correlation or cross-correlation detection means [4]
G01P 5/00	Hauptgruppe	Measuring speed of fluids, e.g. of air stream; Measuring speed of bodies relative to fluids, e.g. of ship, of aircraft (application of speed-measuring devices for measuring volume of fluids G01F)
G01P 5/01	1-Punkt Untergruppe	. by using swirlflowmeter [3]
G01P 5/02	1-Punkt Untergruppe	. by measuring forces exerted by the fluid on solid bodies, e.g. anemometer
G01P 5/04	2-Punkt Untergruppe	. . using deflection of baffle-plates
G01P 5/06	2-Punkt Untergruppe	. . using rotation of vanes (measuring speed of rotating shafts G01P 3/00)
G01P 5/07	3-Punkt Untergruppe	. . . with electrical coupling to the indicating device [3]
G01P 5/08	1-Punkt Untergruppe	. by measuring variation of an electric variable directly affected by the flow, e.g. by using dynamo-electric effect
G01P 5/10	1-Punkt Untergruppe	. by measuring thermal variables
G01P 5/12	2-Punkt Untergruppe	. . using variation of resistance of a heated conductor
G01P 5/14	1-Punkt Untergruppe	. by measuring differences of pressure in the fluid
G01P 5/16	2-Punkt Untergruppe	. . using Pitot tubes
G01P 5/165	3-Punkt Untergruppe	. . . Arrangements or constructions of Pitot tubes [3]
G01P 5/17	3-Punkt Untergruppe	. . . Coupling arrangements to the indicating device [3]
G01P 5/175	4-Punkt Untergruppe	 with the determination of Mach number (analogue computers therefor G06G 7/57) [3]
<i>G01P 5/18</i>	<i>1-Punkt Untergruppe</i>	<i>. by measuring the time taken by the fluid to traverse a fixed distance [1, 7]</i>
G01P 5/20	2-Punkt Untergruppe	. . using particles entrained by a fluid stream (G01P 5/22 takes precedence) [4]
G01P 5/22	2-Punkt Untergruppe	. . using auto-correlation or cross-correlation detection means [4]
<i>G01P 5/24</i>	<i>1-Punkt Untergruppe</i>	<i>. by measuring the direct influence of the streaming fluid on the properties of a detecting acoustical wave [7]</i>
<i>G01P 5/26</i>	<i>1-Punkt Untergruppe</i>	<i>. by measuring the direct influence of the streaming fluid on the properties of a detecting optical wave [7]</i>
G01P 7/00	Hauptgruppe	Measuring speed by integrating acceleration (measuring travelled distance by double integration of acceleration G01C 21/16)
G01P 9/00	Hauptgruppe	Measuring speed by using gyroscopic effect, e.g. using gas, using electron beam (gyroscopes or turn-sensitive devices per se G01C 19/00)
G01P 9/02	1-Punkt Untergruppe	. using rotary gyroscopes
G01P 9/04	1-Punkt Untergruppe	. using turn-sensitive devices with vibrating masses, e.g. tuning-fork
G01P 11/00	Hauptgruppe	Measuring average value of speed (by determining time taken to traverse a fixed distance G01P 3/64 , G01P 5/18)
G01P 11/02	1-Punkt Untergruppe	. Measuring average speed of a number of bodies, e.g. of vehicles for traffic control
G01P 13/00	Hauptgruppe	Indicating or recording presence, absence, or direction, of movement (counting moving objects G06M 7/00; electric switches H01H)

Symbol	Typ	Titel
G01P 13/02	1-Punkt Untergruppe	. Indicating direction only, e.g. by weather vane
G01P 13/04	2-Punkt Untergruppe	. . Indicating positive or negative direction of a linear movement or clockwise or anti-clockwise direction of a rotational movement [3]
G01P 15/00	Hauptgruppe	Measuring acceleration; Measuring deceleration; Measuring shock, i.e. sudden change of acceleration
<i>G01P 15/02</i>	<i>1-Punkt Untergruppe</i>	<i>. by making use of inertia forces (G01P 15/14 , G01P 15/18 take precedence) [1, 7]</i>
G01P 15/03	2-Punkt Untergruppe	. . by using non-electrical means [3]
G01P 15/04	2-Punkt Untergruppe	. . for indicating maximum value
G01P 15/06	3-Punkt Untergruppe	. . . using members subjected to a permanent deformation
G01P 15/08	2-Punkt Untergruppe	. . with conversion into electric or magnetic values
G01P 15/09	3-Punkt Untergruppe	. . . by piezo-electric pick-up [3]
<i>G01P 15/093</i>	<i>3-Punkt Untergruppe</i>	<i>. . . by photoelectric pick-up [7]</i>
<i>G01P 15/097</i>	<i>3-Punkt Untergruppe</i>	<i>. . . by vibratory elements [7]</i>
G01P 15/10	4-Punkt Untergruppe	 by vibratory strings
<i>G01P 15/105</i>	<i>3-Punkt Untergruppe</i>	<i>. . . by magnetically sensitive devices [7]</i>
G01P 15/11	4-Punkt Untergruppe	 by inductive pick-up [3]
G01P 15/12	3-Punkt Untergruppe	. . . by alteration of electrical resistance
G01P 15/125	3-Punkt Untergruppe	. . . by capacitive pick-up [3]
G01P 15/13	3-Punkt Untergruppe	. . . by measuring the force required to restore a proofmass subjected to inertial forces to a null position [3]
G01P 15/135	3-Punkt Untergruppe	. . . by making use of contacts which are actuated by a movable inertial mass [3]
<i>G01P 15/14</i>	<i>1-Punkt Untergruppe</i>	<i>. by making use of gyroscopes (G01P 15/18 takes precedence ; gyroscopes per se G01C 19/00) [1, 7]</i>
<i>G01P 15/16</i>	<i>1-Punkt Untergruppe</i>	<i>. by evaluating the time-derivative of a measured speed signal (G01P 15/18 takes precedence) [3, 7]</i>
<i>G01P 15/18</i>	<i>1-Punkt Untergruppe</i>	<i>. in two or more dimensions [7]</i>
G01P 21/00	Hauptgruppe	Testing or calibrating of apparatus or devices covered by the preceding groups
G01P 21/02	1-Punkt Untergruppe	. of speedometers