

Symbol	Typ	Titel
G	Sektion	PHYSICS
G01	Untersektion	INSTRUMENTS
G01	Klasse	MEASURING (counting G06M); TESTING
G01D	Unterklasse	MEASURING NOT SPECIALLY ADAPTED FOR A SPECIFIC VARIABLE; ARRANGEMENTS FOR MEASURING TWO OR MORE VARIABLES NOT COVERED BY A SINGLE OTHER SUBCLASS; TARIFF METERING APPARATUS; MEASURING OR TESTING NOT OTHERWISE PROVIDED FOR (means structurally associated with lightning or other overvoltage discharging apparatus for recording the operation thereof G01R; displaying information in general G09F; recording in a way which requires playback through a transducer G11B)
G01D 1/00	Hauptgruppe	Measuring arrangements giving results other than momentary value of variable, of general application (G01D 3/00 takes precedence; in tariff metering apparatus G01D 4/00; transducers not specially adapted for a specific variable G01D 5/00; computing G06)
G01D 1/02	1-Punkt Untergruppe	. giving mean values, e.g. root mean square values (measuring root mean square values of currents or voltages G01R 19/02)
G01D 1/04	1-Punkt Untergruppe	. giving integrated values (giving mean values G01D 1/02)
G01D 1/06	2-Punkt Untergruppe	. . by intermittent summation
G01D 1/08	3-Punkt Untergruppe	. . . over fixed periods of time
G01D 1/10	1-Punkt Untergruppe	. giving differentiated values
G01D 1/12	1-Punkt Untergruppe	. giving a maximum or minimum of a value
G01D 1/14	1-Punkt Untergruppe	. giving a distribution function of a value, i.e. number of times the value comes within specified ranges of amplitude
G01D 1/16	1-Punkt Untergruppe	. giving a value which is a function of two or more values, e.g. product, ratio
G01D 1/18	1-Punkt Untergruppe	. with arrangements for signalling that a predetermined value of an unspecified parameter has been exceeded (G01D 1/14 takes precedence; for a specified parameter, see the subclass relevant to this parameter, e.g. level of a liquid exceeded G01F , temperature exceeded G01K) [3]
G01D 3/00	Hauptgruppe	Measuring arrangements with provision for the special purposes referred to in the subgroups of this group
G01D 3/02	1-Punkt Untergruppe	. with provision for altering or correcting the transfer function
G01D 3/024	2-Punkt Untergruppe	. . for range change; Arrangements for substituting one sensing member by another [6]
G01D 3/028	1-Punkt Untergruppe	. mitigating undesired influences, e.g. temperature, pressure [6]
G01D 3/032	2-Punkt Untergruppe	. . affecting incoming signal, e.g. by averaging; gating undesired signals [6]
G01D 3/036	2-Punkt Untergruppe	. . on measuring arrangements themselves [6]
G01D 3/06	1-Punkt Untergruppe	. with provision for operation by a null method
G01D 3/08	1-Punkt Untergruppe	. with provision for safeguarding the apparatus, e.g. against abnormal operation, against breakdown
G01D 3/10	1-Punkt Untergruppe	. with provision for switching-in of additional or auxiliary indicators or recorders
G01D 4/00	Hauptgruppe	Tariff metering apparatus (tariff meters for measuring the time integral of electric power or current G01R 11/56; in taximeters G07B 13/00; coin-freed mechanisms therefor G07F)
G01D 4/02	1-Punkt Untergruppe	. Details
G01D 4/04	2-Punkt Untergruppe	. . Resetting-mechanisms, e.g. for indicating members (for mechanical counters G06M 1/28)

Symbol	Typ	Titel
G01D 4/06	2-Punkt Untergruppe	. . Arrangement of clutches between driving and indicating member, e.g. of hysteresis clutch (G01D 4/04 takes precedence)
G01D 4/08	2-Punkt Untergruppe	. . Transfer of indication from a counter into a summing counter (mechanical counters G06M)
G01D 4/10	1-Punkt Untergruppe	. Maximum indicating or recording apparatus, i.e. where the tariff for a period is based on a maximum demand within that period
G01D 4/12	2-Punkt Untergruppe	. . Apparatus for indicating or recording progressive maximum
G01D 4/14	2-Punkt Untergruppe	. . Fixed-demand indicating or recording apparatus, i.e. where indication is made when a predetermined quantity has been consumed during a time interval greater or less than a predetermined time interval
G01D 4/16	1-Punkt Untergruppe	. Apparatus for indicating or recording maximum or minimum load hours
G01D 4/18	1-Punkt Untergruppe	. Apparatus for indicating or recording overconsumption with opposing torque which comes into effect when a predetermined level is exceeded, e.g. subtraction meters
G01D 5/00	Hauptgruppe	Mechanical means for transferring the output of a sensing member; Means for converting the output of a sensing member to another variable where the form or nature of the sensing member does not constrain the means for converting; Transducers not specially adapted for a specific variable (G01D 3/00 takes precedence; specially adapted for apparatus giving results other than momentary value of variable G01D 1/00; sensing members, see the relevant subclasses, e.g. of G01 , H01; for converting a single current or a single voltage into a mechanical displacement G01R 5/00; specially adapted for high-voltage or high-current measuring arrangements G01R 15/04 , G01R 15/14; measuring currents or voltages using digital measurement techniques G01R 19/25; transmission systems for measured values, control or similar signals G08C , e.g. electrical signals G08C 19/00) [6]
G01D 5/02	1-Punkt Untergruppe	. using mechanical means
G01D 5/04	2-Punkt Untergruppe	. . using levers; using cams; using gearing (gearing in general F16)
G01D 5/06	2-Punkt Untergruppe	. . acting through a wall or enclosure, e.g. by bellows, by magnetic coupling (in general F16)
G01D 5/08	2-Punkt Untergruppe	. . Reducing the effects of friction, e.g. by applying vibrations
G01D 5/10	2-Punkt Untergruppe	. . Applying external forces to increase force available for operation of indicating or recording part
G01D 5/12	1-Punkt Untergruppe	. using electric or magnetic means (G01D 5/06 takes precedence) [3]
G01D 5/14	2-Punkt Untergruppe	. . influencing the magnitude of a current or voltage
G01D 5/16	3-Punkt Untergruppe	. . . by varying resistance
G01D 5/165	4-Punkt Untergruppe	 by relative movement of a point of contact and a resistive track [6]
G01D 5/18	3-Punkt Untergruppe	. . . by varying effective impedance of discharge tubes or semiconductor devices
G01D 5/20	3-Punkt Untergruppe	. . . by varying inductance, e.g. by a movable armature
G01D 5/22	4-Punkt Untergruppe	 differentially influencing two coils
G01D 5/24	3-Punkt Untergruppe	. . . by varying capacitance
G01D 5/241	4-Punkt Untergruppe	 by relative movement of capacitor electrodes [6]
G01D 5/242	3-Punkt Untergruppe	. . . by varying output of an electrodynamic device, e.g. of a tachodynamo
G01D 5/243	2-Punkt Untergruppe	. . influencing the phase or frequency of ac
G01D 5/244	2-Punkt Untergruppe	. . influencing characteristics of pulses or pulse trains; generating pulses or pulse trains [6]
G01D 5/245	3-Punkt Untergruppe	. . . using a variable number of pulses in a train

Symbol	Typ	Titel
G01D 5/246	3-Punkt Untergruppe	. . . by varying the duration of individual pulses
G01D 5/247	3-Punkt Untergruppe	. . . using time shifts of pulses
G01D 5/248	3-Punkt Untergruppe	. . . by varying pulse repetition frequency
G01D 5/249	3-Punkt Untergruppe	. . . using pulse code
G01D 5/25	2-Punkt Untergruppe	. . Selecting one or more conductors or channels from a plurality of conductors or channels, e.g. by closing contacts
G01D 5/251	3-Punkt Untergruppe	. . . one conductor or channel
G01D 5/252	3-Punkt Untergruppe	. . . a combination of conductors or channels
G01D 5/26	1-Punkt Untergruppe	. using optical means, i.e. using infra-red, visible or ultra-violet light
G01D 5/28	2-Punkt Untergruppe	. . with deflection of beams of light, e.g. for direct optical indication (G01D 5/40 takes precedence)
G01D 5/30	3-Punkt Untergruppe	. . . the beams of light being detected by photocells
G01D 5/32	2-Punkt Untergruppe	. . with attenuation or whole or partial obturation of beams of light (G01D 5/40 takes precedence)
G01D 5/34	3-Punkt Untergruppe	. . . the beams of light being detected by photocells
G01D 5/347	4-Punkt Untergruppe	 using displacement encoding scales [6]
G01D 5/353	4-Punkt Untergruppe	 influencing the transmission properties of an optical fibre [6]
G01D 5/36	4-Punkt Untergruppe	 Forming the light into pulses
G01D 5/38	5-Punkt Untergruppe	 by diffraction gratings
G01D 5/39	2-Punkt Untergruppe	. . Scanning a visible indication of the measured value and reproducing this indication at a remote place, e.g. on the screen of a cathode-ray tube
G01D 5/40	2-Punkt Untergruppe	. . specially adapted for use with infra-red light
G01D 5/42	1-Punkt Untergruppe	. using fluid means
G01D 5/44	2-Punkt Untergruppe	. . using jets of fluid
G01D 5/46	3-Punkt Untergruppe	. . . by deflecting or throttling the flow
G01D 5/48	1-Punkt Untergruppe	. using wave or particle radiation means (G01D 5/26 takes precedence)
G01D 5/50	2-Punkt Untergruppe	. . derived from a radioactive source
G01D 5/52	3-Punkt Untergruppe	. . . detected by a counter tube
G01D 5/54	1-Punkt Untergruppe	. using means specified in two or more of groups G01D 5/02 , G01D 5/12 , G01D 5/26 , G01D 5/42 , and G01D 5/48
G01D 5/56	2-Punkt Untergruppe	. . using electric or magnetic means
G01D 5/58	2-Punkt Untergruppe	. . using optical means, i.e. using infra-red, visible or ultra-violet light
G01D 5/60	2-Punkt Untergruppe	. . using fluid means
G01D 5/62	2-Punkt Untergruppe	. . using wave or particle radiation means not covered by group G01D 5/58
G01D 7/00	Hauptgruppe	Indicating measured values
G01D 7/02	1-Punkt Untergruppe	. Indicating value of two or more variables simultaneously

Symbol	Typ	Titel
G01D 7/04	2-Punkt Untergruppe	. . using a separate indicating element for each variable
G01D 7/06	3-Punkt Untergruppe	. . . Luminous indications projected on a common screen
G01D 7/08	2-Punkt Untergruppe	. . using a common indicating element for two or more variables
G01D 7/10	3-Punkt Untergruppe	. . . giving indication in co-ordinate form
G01D 7/12	1-Punkt Untergruppe	. Audible indication of meter readings, e.g. for the blind [2]
G01D 9/00	Hauptgruppe	Recording measured values
G01D 9/02	1-Punkt Untergruppe	. Producing one or more recordings of the values of a single variable
G01D 9/04	2-Punkt Untergruppe	. . with provision for multiple or alternative recording
G01D 9/06	3-Punkt Untergruppe	. . . Multiple recording, e.g. duplicating
G01D 9/08	4-Punkt Untergruppe	 giving both graphical and numerical recording
G01D 9/10	2-Punkt Untergruppe	. . the recording element, e.g. stylus, being controlled in accordance with the variable, and the recording medium, e.g. paper roll, being controlled in accordance with time
G01D 9/12	3-Punkt Untergruppe	. . . recording occurring continuously
G01D 9/14	4-Punkt Untergruppe	 with provision for altering speed of recording medium in accordance with the magnitude of the variable to be recorded
G01D 9/16	3-Punkt Untergruppe	. . . recording occurring at separated intervals, e.g. by chopper bar
G01D 9/18	4-Punkt Untergruppe	 recording element actuated only upon change in value of variable
G01D 9/20	2-Punkt Untergruppe	. . the recording element, e.g. stylus, being controlled in accordance with time and the recording medium, e.g. paper roll, being controlled in accordance with the variable
G01D 9/22	3-Punkt Untergruppe	. . . recording occurring continuously
G01D 9/24	3-Punkt Untergruppe	. . . recording occurring at separated intervals, e.g. by chopper bar
G01D 9/26	2-Punkt Untergruppe	. . either the recording element, e.g. stylus, or the recording medium, e.g. paper roll, being controlled in accordance with both time and the variable
G01D 9/28	1-Punkt Untergruppe	. Producing one or more recordings, each recording being of the values of two or more different variables (G01D 9/38 , G01D 9/40 take precedence)
G01D 9/30	2-Punkt Untergruppe	. . there being a separate recording element for each variable, e.g. multiple-pen recorder
G01D 9/32	2-Punkt Untergruppe	. . there being a common recording element for two or more variables
G01D 9/34	3-Punkt Untergruppe	. . . the variables being recorded in predetermined sequence
G01D 9/36	4-Punkt Untergruppe	 in separate columns
G01D 9/38	1-Punkt Untergruppe	. Producing one or more recordings, each recording being produced by controlling the recording element, e.g. stylus, in accordance with one variable and controlling the recording medium, e.g. paper roll, in accordance with another variable
G01D 9/40	1-Punkt Untergruppe	. Producing one or more recordings, each recording being produced by controlling either the recording element, e.g. stylus, or the recording medium, e.g. paper roll, in accordance with two or more variables
G01D 9/42	1-Punkt Untergruppe	. Recording indications of measuring instruments by photographic means, e.g. of counters
G01D 11/00	Hauptgruppe	Component parts of measuring arrangements not specially adapted for a specific variable (G01D 13/00 , G01D 15/00 take precedence)

Symbol	Typ	Titel
G01D 11/02	1-Punkt Untergruppe	. Bearings or suspensions for moving parts (bearings in general F16C)
G01D 11/04	2-Punkt Untergruppe	. . Knife-edge bearings
G01D 11/06	2-Punkt Untergruppe	. . Strip or thread suspensions, e.g. in tension
G01D 11/08	1-Punkt Untergruppe	. Elements for balancing moving parts
G01D 11/10	1-Punkt Untergruppe	. Elements for damping the movement of parts
G01D 11/12	2-Punkt Untergruppe	. . using fluid damping
G01D 11/14	2-Punkt Untergruppe	. . using magnetic induction damping
G01D 11/16	1-Punkt Untergruppe	. Elements for restraining or preventing the movement of parts, e.g. for zeroising (caging of moving parts when not in use G01D 11/20)
G01D 11/18	2-Punkt Untergruppe	. . Springs (G01D 11/06 takes precedence)
G01D 11/20	1-Punkt Untergruppe	. Caging devices for moving parts when not in use
G01D 11/22	2-Punkt Untergruppe	. . automatically actuated
G01D 11/24	1-Punkt Untergruppe	. Housings
G01D 11/26	2-Punkt Untergruppe	. . Windows; Cover glasses; Sealings therefor
G01D 11/28	1-Punkt Untergruppe	. Structurally-combined illuminating devices
G01D 11/30	1-Punkt Untergruppe	. Supports specially adapted for an instrument; Supports specially adapted for a set of instruments (in general F16M; specially adapted for aircraft or vehicles, see the relevant subclasses)
G01D 13/00	Hauptgruppe	Component parts of indicators for measuring arrangements not specially adapted for a specific variable
G01D 13/02	1-Punkt Untergruppe	. Scales; Dials
G01D 13/04	2-Punkt Untergruppe	. . Construction
G01D 13/06	3-Punkt Untergruppe	. . . Moving bands (G01D 13/10 takes precedence)
G01D 13/08	3-Punkt Untergruppe	. . . Rotating drums (G01D 13/10 takes precedence)
G01D 13/10	3-Punkt Untergruppe	. . . with adjustable scales; with auxiliary scales, e.g. vernier
G01D 13/12	2-Punkt Untergruppe	. . Graduation
G01D 13/14	3-Punkt Untergruppe	. . . for rotations of more than 360°
G01D 13/16	3-Punkt Untergruppe	. . . with staggered markings
G01D 13/18	3-Punkt Untergruppe	. . . with raised or recessed markings
G01D 13/20	3-Punkt Untergruppe	. . . with luminescent markings
G01D 13/22	1-Punkt Untergruppe	. Pointers, e.g. settable pointer
G01D 13/24	2-Punkt Untergruppe	. . for indicating a maximum or minimum
G01D 13/26	2-Punkt Untergruppe	. . adapted to perform a further operation, e.g. making electrical contact
G01D 13/28	2-Punkt Untergruppe	. . with luminescent markings
G01D 15/00	Hauptgruppe	Component parts of recorders for measuring arrangements not specially adapted for a specific variable

Symbol	Typ	Titel
G01D 15/02	1-Punkt Untergruppe	. Styli or other recording elements acting to mechanically deform or perforate the recording surface (printing recording elements G01D 15/20)
G01D 15/04	2-Punkt Untergruppe	. . acting to punch holes in the recording surface
G01D 15/06	1-Punkt Untergruppe	. Electric recording elements, e.g. electrolytic
G01D 15/08	2-Punkt Untergruppe	. . for spark erosion
G01D 15/10	1-Punkt Untergruppe	. Heated recording elements acting on heat-sensitive layers
G01D 15/12	1-Punkt Untergruppe	. Magnetic recording elements
G01D 15/14	1-Punkt Untergruppe	. Optical recording elements; Recording elements using X- or nuclear radiation
G01D 15/16	1-Punkt Untergruppe	. Recording elements transferring recording material, e.g. ink, to the recording surface (printing recording elements G01D 15/20; implements for writing or drawing in general B43K)
G01D 15/18	2-Punkt Untergruppe	. . Nozzles emitting recording material
G01D 15/20	1-Punkt Untergruppe	. Recording elements for printing with ink or for printing by deformation or perforation of the recording surface, e.g. embossing
G01D 15/22	1-Punkt Untergruppe	. Chopper bars for bringing recording element into contact with recording surface
G01D 15/24	1-Punkt Untergruppe	. Drives for recording elements or surfaces, not covered by group G01D 5/00
G01D 15/26	2-Punkt Untergruppe	. . operating by clockwork (clockworks per se G04B , G04C)
G01D 15/28	1-Punkt Untergruppe	. Holding means for recording surfaces; Guiding means for recording surfaces; Exchanging means for recording surfaces
G01D 15/30	2-Punkt Untergruppe	. . for foldable strip charts
G01D 15/32	2-Punkt Untergruppe	. . for circular charts
G01D 15/34	1-Punkt Untergruppe	. Recording surfaces
G01D 18/00	Hauptgruppe	Testing or calibrating of apparatus or arrangements provided for in groups G01D 1/00 to G01D 15/00
G01D 21/00	Hauptgruppe	Measuring or testing not otherwise provided for
G01D 21/02	1-Punkt Untergruppe	. Measuring two or more variables by means not covered by a single other subclass