

**CPC****COOPERATIVE PATENT CLASSIFICATION****G01G****WEIGHING** (sorting by weighing [B07C 5/16](#))**NOTE**

Attention is drawn to the Notes following the title of class [G01](#).

**G01G 1/00****Weighing apparatus involving the use of a counterweight or other counterbalancing mass****G01G 1/02**

- Pendulum-weight apparatus

**G01G 1/025**

- • {with variable cam radius or variable counterpoise pendulum}

**G01G 1/04**

- • The pendulum having a fixed pivot axis

**G01G 1/06**

- • • with a plurality of pendulums

**G01G 1/08**

- • The pendulum having a moving pivot axis, e.g. a floating pendulum

**G01G 1/10**

- • • with a plurality of pendulums

**G01G 1/12**

- • Constructional arrangements for obtaining equal indicative divisions

**G01G 1/14**

- • Temperature compensating arrangements

**G01G 1/16**

- • Means for correcting for obliquity of mounting

**G01G 1/18**

- Balances involving the use of a pivoted beam, i.e. beam balances

**G01G 1/185**

- • {Two draft weighing apparatus e.g. tandem scales systems}

**G01G 1/20**

- • Beam balances having the pans carried below the beam, and for use with separate counterweights

**G01G 1/22**

- • • for precision weighing

**G01G 1/24**

- • Platform-type scales, i.e. having the pans carried above the beam

**G01G 1/243**

- • • {having pans carried above the beam}

**G01G 1/246**

- • • • {of the parallelogram type}

**G01G 1/26**

- • with associated counterweight or set of counterweights

**G01G 1/28**

- • • involving means for automatically lifting counterweights corresponding to the load

**G01G 1/29**

- • • • with electrical or electro-mechanical control means

**G01G 1/30**

- • • wherein the counterweight is in the form of a chain

**G01G 1/32**

- • • wherein the counterweights are in the form of rider-weights

**G01G 1/34**

- • • involving a fixed counterweight, with poise-weights selectively added to the load side

**G01G 1/36**

- • • wherein the counterweights are slideable along the beam, e.g. steelyards

**G01G 1/38**

- • • • with automatically-driven counterweight

**G01G 1/40**

- • specially adapted for weighing by substitution

**G01G 1/42**

- • Temperature compensating arrangements

**G01G 3/00****Weighing apparatus characterised by the use of elastically-deformable members, e.g. spring balances****G01G 3/02**

- wherein the weighing element is in the form of a helical spring

- G01G 3/04 . . . using a plurality of springs
- G01G 3/06 . wherein the weighing element is in the form of a spiral spring
- G01G 3/08 . wherein the weighing element is in the form of a leaf spring
- G01G 3/10 . wherein the torsional deformation of a weighing element is measured
- G01G 3/12 . wherein the weighing element is in the form of a solid body stressed by pressure or tension during weighing
- G01G 3/125 . . {wherein the weighing element is an optical member}
- G01G 3/13 . . having piezo-electric or piezo-resistive properties
- G01G 3/14 . . measuring variations of electrical resistance ([G01G 3/13 takes precedence](#))
- G01G 3/1402 . . . {Special supports with preselected places to mount the resistance strain gauges; Mounting of supports}
- G01G 3/1404 . . . . {combined with means to connect the strain gauges on electrical bridges}
- G01G 3/1406 . . . . {combined with special measuring circuits}
- G01G 3/1408 . . . . {the supports being of the column type, e.g. cylindric}
- G01G 3/141 . . . . {the supports being disc or ring shaped}
- G01G 3/1412 . . . . {the supports being parallelogram shaped}
- G01G 3/1414 . . . {Arrangements for correcting or for compensating for unwanted effects}
- G01G 3/1416 . . . . {for non-linearity}
- G01G 3/1418 . . . . {for temperature variations}
- G01G 3/142 . . . Circuits specially adapted therefor
- G01G 3/145 . . . . involving comparison with a reference value ([G01G 3/147 takes precedence](#))
- G01G 3/147 . . . . involving digital counting
- G01G 3/15 . . measuring variations of magnetic properties
- G01G 3/16 . . measuring variations of frequency of oscillations of the body
- G01G 3/165 . . . {Constructional details}
- G01G 3/18 . Temperature-compensating arrangements

**G01G 5/00****Weighing apparatus wherein the balancing is effected by fluid action**

- G01G 5/003 . {load-cell construction or mountings}
- G01G 5/006 . {with pneumatic means}
- G01G 5/02 . with a float or other member variably immersed in liquid
- G01G 5/04 . with means for measuring the pressure imposed by the load on a liquid ([pressure gauges per se G01L](#))
- G01G 5/045 . . {combined with means for totalising the pressure imposed by several load-cells}
- G01G 5/06 . . with electrical indicating means

**G01G 7/00****Weighing apparatus wherein the balancing is effected by magnetic, electromagnetic, or electrostatic action, or by means not provided for in the preceding groups**

- G01G 7/02 . by electromagnetic action

- G01G 7/04 . . with means for regulating the current to solenoids
- G01G 7/045 . . . {having a PID control system}
- G01G 7/06 . by electrostatic action
  
- G01G 9/00** **Methods or apparatus for the determination of weight not otherwise provided for**
- G01G 9/005 . {using radiations, e.g. radioactive (analysing materials by the use of wave or particle radiation [G01N 23/00](#))}
  
- G01G 11/00** **Apparatus for weighing a continuous stream of material during flow; Conveyor belt weighers**
- G01G 11/003 . {Details; specially adapted accessories (details of weighing apparatus in general [G01G 21/00](#); auxiliary devices for weighing apparatus in general [G01G 23/00](#))}
- G01G 11/006 . {Special taring or checking devices therefor (devices for determining tare weight in general [G01G 23/14](#))}
- G01G 11/02 . having mechanical weight-sensitive devices
- G01G 11/025 . . {combined with totalising or integrating devices}
- G01G 11/04 . having electrical weight-sensitive devices
- G01G 11/043 . . {combined with totalising or integrating devices}
- G01G 11/046 . . . {involving digital counting}
- G01G 11/06 . having fluid weight-sensitive devices
- G01G 11/065 . . {combined with totalising or integrating devices}
- G01G 11/08 . having means for controlling the rate of feed or discharge (regulation of flow of fluent material [G05D](#))
- G01G 11/083 . . {of the weight-belt or weigh-auger type ([G01G 11/10](#), [G01G 11/12](#) take precedence)}
- G01G 11/086 . . {of the loss-in-weight feeding type}
- G01G 11/10 . . by controlling the height of the material on the belt
- G01G 11/12 . . by controlling the speed of the belt
- G01G 11/14 . using totalising or integrating devices ({[G01G 11/025](#), [G01G 11/043](#), [G01G 11/046](#) and [G01G 11/065](#) take precedence} totalising or integrating devices per se [G06](#))
- G01G 11/16 . . being electrical or electronic means
- G01G 11/18 . . . using digital counting
- G01G 11/20 . . being mechanical means
  
- G01G 13/00** **Weighing apparatus with automatic feed or discharge for weighing-out batches of material (for weighing a continuous stream [G01G 11/00](#); check-weighing [G01G 15/00](#); for fluids [G01G 17/04](#); apportioning by weight materials to be mixed [G01G 19/22](#); combinatorial weighing [G01G 19/387](#))**
- G01G 13/003 . {Details; specially adapted accessories (details of weighing apparatus in general [G01G 21/00](#); auxiliary devices for weighing apparatus in general [G01G 23/00](#))}
- G01G 13/006 . . {Container supply or discharge mechanism (means for automatic loading or discharging [G01G 13/02](#), [G01G 13/16](#), [G01G 13/24](#))}

- G01G 13/02 . Means for automatically loading weigh pans or other receptacles, e.g. disposable containers, under control of the weighing mechanism
- G01G 13/022 . . {Material feeding devices ([G01G 13/04](#) to [G01G 13/14](#) take precedence)}
- G01G 13/024 . . . {by gravity}
- G01G 13/026 . . . {by mechanical conveying means, e.g. belt or vibratory conveyer}
- G01G 13/028 . . . {by pneumatic carrying means}
- G01G 13/04 . . involving dribble-feed means controlled by the weighing mechanism to top up the receptacle to the target weight
- G01G 13/06 . . . wherein the main feed is effected by gravity from a hopper or chute
- G01G 13/08 . . . wherein the main feed is effected by mechanical conveying means, e.g. by belt conveyers, by vibratory conveyers
- G01G 13/10 . . . wherein the main feed is effected by pneumatic conveying means, e.g. by fluidised feed of granular material
- G01G 13/12 . . Arrangements for compensating for material suspended at cut-off, i.e. for material which is still falling from the feeder when the weigher stops the feeder
- G01G 13/14 . . Arrangements for determination of, or compensation for, the tare weight of an unloaded container, e.g. of a disposable container
- G01G 13/16 . Means for automatically discharging weigh receptacles under control of the weighing mechanism
- G01G 13/18 . . by valves or flaps in the container bottom
- G01G 13/20 . . by screw conveyers in the weigh receptacle
- G01G 13/22 . . by tilting or rotating the weigh receptacle
- G01G 13/24 . Weighing mechanism control arrangements for automatic feed or discharge
- G01G 13/241 . . {Bulk-final weighing apparatus e.g. rough weighing balance combined with separate fine weighing balance}
- G01G 13/242 . . {Twin weighing apparatus; weighing apparatus using single load carrier and a plurality of weigh pans coupled alternately with the load carrier; weighing apparatus with two or more alternatively used weighing devices}
- G01G 13/243 . . . {using a single load carrier}
- G01G 13/244 . . . . {with a single weighing receptacle divided into two or more alternatively used sections}
- G01G 13/245 . . . . . {the weighing receptacles being rockable or oscillating}
- G01G 13/246 . . . . . {the weighing apparatus being rotatable}
- G01G 13/247 . . {Checking quantity of material in the feeding arrangement, e.g. discharge material only if a predetermined quantity is present}
- G01G 13/248 . . {Continuous control of flow of material ([control of flow G05D 7/00](#))}
- G01G 13/26 . . involving fluid-pressure systems
- G01G 13/28 . . involving variation of an electrical variable which is used to control loading or discharge of the receptacle
- G01G 13/285 . . . involving comparison with a reference value ([G01G 13/29](#) takes precedence; {electric measuring arrangements involving comparison with a reference value [G01R 17/00](#)})
- G01G 13/2851 . . . . {for controlling automatic loading of weigh pans or other receptacles ([G01G 13/29](#) takes precedence)}

G01G 13/2852	. . . . .	{involving dribble-feed means controlled by the weighing mechanism to top up the receptacle to the target weight}
G01G 13/2853	. . . . .	{wherein the main feed is effected by gravity from a hopper or chute}
G01G 13/2855	. . . . .	{wherein the main feed is effected by mechanical conveying means, e.g. by belt conveyers, by vibratory conveyers}
G01G 13/2856	. . . . .	{wherein the main feed is effected by pneumatic conveying means, e.g. by fluidised feed of granular material}
G01G 13/2857	. . . . .	{Arrangements for compensating for material suspended at cut-off, i.e. for material which is still falling from the feeder when the weigher stops the feeder}
G01G 13/2858	. . . . .	{Arrangements for the determination of, or compensation for, the tare weight of an unloaded container, e.g. of a disposable container}
G01G 13/29	. . .	involving digital counting
G01G 13/2906	. . . .	{for controlling automatic loading of weigh-pans or other receptacles}
G01G 13/2912	. . . . .	{involving dribble-feed means controlled by the weighing mechanism to top up the receptacle to the target weight}
G01G 13/2918	. . . . .	{wherein the main feed is effected by gravity from a hopper or chute}
G01G 13/2925	. . . . .	{wherein the main feed is effected by mechanical means, e.g. by belt conveyers, by vibratory conveyers}
G01G 13/2931	. . . . .	{wherein the main feed is effected by pneumatic conveying means, e.g. by fluidised feed of granular material}
G01G 13/2937	. . . . .	{Arrangements for compensating for material suspended at cut-off, i.e. for material which is still falling from the feeder when the weigher stops the feeder}
G01G 13/2943	. . . . .	{Arrangements for determination of, or compensation for, the tare weight of an unloaded container, e.g. of a disposable container}
G01G 13/295	. . .	for controlling automatic loading of the receptacle {(G01G 13/285, G01G 13/29 take precedence)}
G01G 13/2951	. . . .	{involving dribble-feed means controlled by the weighing mechanism to top up the receptacle to the target weight}
G01G 13/2952	. . . . .	{wherein the main feed is effected by gravity from a hopper or chute}
G01G 13/2954	. . . . .	{wherein the main feed is effected by mechanical conveying means, e.g. by belt conveyers, by vibratory conveyers}
G01G 13/2955	. . . . .	{wherein the main feed is effected by pneumatic conveying means, e.g. by fluidised feed of granular material}
G01G 13/2957	. . . . .	{Arrangements for compensating for material suspended at cut-off, i.e. for material which is still falling from the feeder when the weigher stops the feeder}
G01G 13/2958	. . . . .	{Arrangements for the determination of, or compensation for, the tare weight of an unloaded container, e.g. a disposable container}
G01G 13/30	. .	involving limit switches or position-sensing switches
G01G 13/32	. . .	involving photoelectric devices

- G01G 13/34
  - . . involving mechanical linkage motivated by weighing mechanism
- G01G 15/00**
**Arrangements for check-weighing of materials dispensed into removable containers** (packaging aspects [B65B](#); {electric measuring arrangements involving comparison with a reference value [G01R 17/00](#)})
- G01G 15/001
  - . {Volumetric pre-dispensing to an estimated weight; Gravimetric make-up device for target device}
- G01G 15/002
  - . . {using electrical, electromechanical or electronic means}
- G01G 15/003
  - . . . {involving digital counting}
- G01G 15/005
  - . . . {involving comparison with reference value}
- G01G 15/006
  - . {using electrical, electromechanical, or electronic means not covered by [G01G 15/001](#), [G01G 15/02](#), [G01G 15/04](#)}
- G01G 15/007
  - . . {involving digital counting}
- G01G 15/008
  - . . {involving comparison with a reference value}
- G01G 15/02
  - . with provision for adding or removing a make-up quantity of material to obtain the desired net weight (dribble-feed means for automatic batch-weighers [G01G 13/04](#))
- G01G 15/022
  - . . {using electrical, electromechanical or electronic means}
- G01G 15/025
  - . . . {involving digital counting}
- G01G 15/027
  - . . . {involving comparison with a reference value}
- G01G 15/04
  - . with provision for adding or removing a make-up quantity of material to obtain the desired gross weight (dribble-feed means for automatic batch-weighers [G01G 13/04](#))
- G01G 15/042
  - . . {using electrical, electromechanical or electronic means}
- G01G 15/045
  - . . . {involving digital counting}
- G01G 15/047
  - . . . {involving comparison with a reference value}
- G01G 17/00**
**Apparatus for or methods of weighing material of special form or property** (determining weight by measuring volume [G01F](#))
- G01G 17/02
  - . for weighing material of filamentary or sheet form
- G01G 17/04
  - . for weighing fluids, e.g. gases, pastes
- G01G 17/06
  - . . having means for controlling the supply or discharge
- G01G 17/08
  - . for weighing livestock
- G01G 19/00**
**Weighing apparatus or methods adapted for special purposes not provided for in the preceding groups** ({electric measuring arrangements involving comparison with a reference value [G01R 17/00](#)})
- G01G 19/002
  - . {for postal parcels and letters}
- G01G 19/005
  - . . {with electric or electronic computing means}
- G01G 19/007
  - . {fractioning a determined weight of material in several equal parts}
- G01G 19/02
  - . for weighing wheeled or rolling bodies, e.g. vehicles
- G01G 19/021
  - . . {having electrical weight-sensitive devices ([G01G 19/04](#) to [G01G 19/07](#) take precedence)}
- G01G 19/022
  - . . {for weighing wheeled or rolling bodies in motion ([G01G 19/045](#) takes precedence)}

- G01G 19/024 . . . {using electrical weight-sensitive devices}
- G01G 19/025 . . {wheel-load scales}
- G01G 19/027 . . . {using electrical weight-sensitive devices}
- G01G 19/028 . . {combined with shock-absorbing devices (shock-absorbing arrangements for bearings [G01G 21/02](#); means for damping oscillations [G01G 23/06](#); shock-absorbers per se [F16F](#))}
- G01G 19/03 . . for weighing during motion ([G01G 19/04](#), [G01G 19/07](#) take precedence {check weighing of materials dispensed into removable containers [G01G 15/00](#); weighing a continuous stream of material during flow [G01G 11/00](#); [G01G 19/02](#), e.g. [G01G 19/022](#), [G01G 19/045](#) take precedence})
- G01G 19/035 . . . {using electrical weight-sensitive devices}
- G01G 19/04 . . for weighing railway vehicles
- G01G 19/042 . . . {having electrical weight-sensitive devices}
- G01G 19/045 . . . {for weighing railway vehicles in motion}
- G01G 19/047 . . . . {using electrical weight-sensitive devices}
- G01G 19/06 . . . on overhead rails
- G01G 19/07 . . for weighing aircraft
- G01G 19/08 . for incorporation in vehicles
- G01G 19/083 . . {lift truck scale}
- G01G 19/086 . . {wherein the vehicle mass is dynamically estimated}
- G01G 19/10 . . having fluid weight-sensitive devices
- G01G 19/12 . . having electrical weight-sensitive devices
- G01G 19/14 . for weighing suspended loads ([G01G 3/00](#) takes precedence; incorporation of weighing devices in cranes [B66C 1/40](#), [B66C 13/16](#))
- G01G 19/16 . . having fluid weight-sensitive devices
- G01G 19/18 . . having electrical weight-sensitive devices
- G01G 19/20 . . for weighing unbalanced loads
- G01G 19/22 . for apportioning materials by weighing prior to mixing them ([ratio regulation G05D 11/00](#))
- G01G 19/24 . . using a single weighing apparatus
- G01G 19/26 . . . associated with two or more counterweighted beams
- G01G 19/28 . . . having fluid weight-sensitive devices
- G01G 19/30 . . . having electrical weight-sensitive devices
- G01G 19/303 . . . . {involving digital counting}
- G01G 19/306 . . . . {involving comparison with a reference value}
- G01G 19/32 . . using two or more weighing apparatus
- G01G 19/34 . . with electrical control means
- G01G 19/343 . . . {involving digital counting}
- G01G 19/346 . . . {involving comparison with a reference value}
- G01G 19/36 . . with mechanical control means



- G01G 19/38
  - • programme controlled, e.g. by perforated tape ([programme control in general G05B 19/00](#))
- G01G 19/382
  - • • {involving digital counting}
- G01G 19/384
  - • • {involving comparison with a reference value}
- G01G 19/387
  - for combinatorial weighing, i.e. selecting a combination of articles whose total weight or number is closest to a desired value
- G01G 19/393
  - • using two or more weighing units
- G01G 19/40
  - with provisions for indicating, recording, or computing price or other quantities dependent on the weight ([indicating means for weighing apparatus G01G 23/18](#); [recording means for weighing apparatus G01G 23/18](#); [computers in general G06](#))
- G01G 19/41
  - • using mechanical computing means
- G01G 19/413
  - • using electromechanical or electronic computing means
- G01G 19/414
  - • • using electronic computing means only
- G01G 19/4142
  - • • • {for controlling activation of safety devices, e.g. airbag systems ([electrical circuits for triggering safety arrangements in case of vehicle accidents B60R 21/015](#))}
- G01G 19/4144
  - • • • {for controlling weight of goods in commercial establishments, e.g. supermarket, P.O.S. systems}
- G01G 19/4146
  - • • • {for controlling caloric intake, e.g. diet control}
- G01G 19/4148
  - • • • {for controlling postal rate in articles to be mailed ([Franking apparatus with means for computing G07B 17/02](#))}
- G01G 19/415
  - • • • combined with recording means
- G01G 19/417
  - • with provision for checking computing part of balance
- G01G 19/42
  - • for counting by weighing ([G01G 19/387 takes precedence](#))
- G01G 19/44
  - for weighing persons
- G01G 19/445
  - • {in a horizontal position}
- G01G 19/46
  - • Spring balances specially adapted for this purpose
- G01G 19/48
  - • Pendulum balances specially adapted for this purpose
- G01G 19/50
  - • having additional measuring devices, e.g. for height
- G01G 19/52
  - Weighing apparatus combined with other objects, e.g. furniture ([with walking sticks A45B 3/08](#))
- G01G 19/54
  - • combined with writing implements or paper-knives
- G01G 19/56
  - • combined with handles of tools or household implements
- G01G 19/58
  - • combined with handles of suit-cases or trunks
- G01G 19/60
  - • combined with fishing equipment, e.g. with fishing rods
- G01G 19/62
  - over or under weighing apparatus
- G01G 19/64
  - Percentage-indicating weighing apparatus, i.e. for expressing the weight as a percentage of a predetermined or initial weight
- G01G 21/00**
  - Details of weighing apparatus**
- G01G 21/02
  - Arrangements of bearings ([bearings per se F16C](#))
- G01G 21/022
  - • {of tapes or ribbons}



- G01G 21/025 . . {using a combination of knife-edge and ball or roller bearings}
- G01G 21/027 . . {Hydraulic or pneumatic bearings}
- G01G 21/04 . . of knife-edge bearings
- G01G 21/06 . . of ball or roller bearings
- G01G 21/07 . . of flexure-plate bearings
- G01G 21/08 . . Bearing mountings or adjusting means therefor
- G01G 21/085 . . . {of knife-edge bearings (knife-edge bearings [G01G 21/04](#))}
- G01G 21/10 . . Floating suspensions; Arrangements of shock absorbers (shock absorbers per se [F16F](#))
- G01G 21/12 . . Devices for preventing derangement
- G01G 21/125 . . . {of knife-edge bearings (knife-edge bearings [G01G 21/04](#))}
- G01G 21/14 . Beams
- G01G 21/16 . . of composite construction; Connections between different beams
- G01G 21/161 . . . {Connections between different beams}
- G01G 21/162 . . . . {using knife-edge bearings (knife-edge bearings [G01G 21/04](#))}
- G01G 21/163 . . . . {using ball or roller bearings (ball or roller bearings [G01G 21/06](#))}
- G01G 21/165 . . . . {using tapes or ribbons (tapes or ribbons [G01G 21/022](#))}
- G01G 21/166 . . . . {using flexure plate fulcrums (flexure plate fulcrums [G01G 21/07](#))}
- G01G 21/167 . . . . {combined with different kinds of bearings}
- G01G 21/168 . . . . . {combined with knife-edge and ball or roller bearings}
- G01G 21/18 . Link connections between the beam and the weigh pan
- G01G 21/182 . . {using knife-edge bearings (knife-edge bearings [G01G 21/04](#))}
- G01G 21/184 . . {using ball or roller bearings (ball or roller bearings [G01G 21/06](#))}
- G01G 21/186 . . {using tapes or ribbons (tapes or ribbons [G01G 21/022](#))}
- G01G 21/188 . . {using flexure plate fulcrums (flexure plate fulcrums [G01G 21/07](#))}
- G01G 21/20 . . for precision weighing apparatus
- G01G 21/22 . Weigh pans or other weighing receptacles; Weighing platforms
- G01G 21/23 . Support or suspension of weighing platforms ([G01G 21/24](#) takes precedence)
- G01G 21/235 . . {using knife-edge bearings (knife-edge bearings [G01G 21/04](#))}
- G01G 21/24 . Guides or linkages for ensuring parallel motion of the weigh-pans
- G01G 21/241 . . {combined with knife-edge bearings (knife-edge bearings [G01G 21/04](#))}
- G01G 21/242 . . {combined with ball or roller bearings (ball or roller bearings [G01G 21/06](#))}
- G01G 21/243 . . {combined with tapes or ribbons (tapes or ribbons [G01G 21/022](#))}
- G01G 21/244 . . {combined with flexure-plate fulcrums (flexure-plate fulcrums [G01G 21/07](#))}
- G01G 21/245 . . {combined with different kinds of bearings}
- G01G 21/246 . . . {combined with knife-edge and ball or roller bearings}
- G01G 21/247 . . . {combined with knife-edge bearings and tapes or ribbons}
- G01G 21/248 . . . {combined with knife-edge and flexure-plate fulcrums}
- G01G 21/26 . Counterweights; Poise-weights; Sets of weights; Holders for the reception of weights

- G01G 21/28 . Frames, Housings
  - G01G 21/283 . . {Details related to a user interface}
  - G01G 21/286 . . {with windshields}
  - G01G 21/30 . Means for preventing contamination by dust
- G01G 23/00 Auxiliary devices for weighing apparatus**
- G01G 23/002 . {Means for correcting for obliquity of mounting (for pendulum-weight apparatus [G01G 1/16](#))}
  - G01G 23/005 . {Means for preventing overload}
  - G01G 23/007 . {Integrated arrangements for generating electrical power, e.g. solar cells}
  - G01G 23/01 . Testing or calibrating of weighing apparatus
  - G01G 23/012 . . {with load cells comprising in-build calibration weights}
  - G01G 23/015 . . {by adjusting to the local gravitational acceleration}
  - G01G 23/017 . . {Securing calibration against fraud}
  - G01G 23/02 . Relieving mechanisms; Arrestment mechanisms
  - G01G 23/04 . . for precision weighing apparatus
  - G01G 23/06 . Means for damping oscillations, e.g. of weigh beams
  - G01G 23/08 . . by fluid means
  - G01G 23/10 . . by electric or magnetic means
  - G01G 23/12 . . specially adapted for preventing oscillations due to movement of the load
  - G01G 23/14 . Devices for determining tare weight or for cancelling out the tare by zeroising, e.g. mechanically operated ([in connection with automatic loading G01G 13/14](#))
  - G01G 23/16 . . electrically or magnetically operated
  - G01G 23/163 . . . {involving digital counting}
  - G01G 23/166 . . . {involving comparison with a reference value}
  - G01G 23/18 . Indicating devices, e.g. for remote indication; Recording devices; Scales, e.g. graduated
  - G01G 23/20 . . Indicating weight by mechanical means
  - G01G 23/203 . . . {with wheel-type counters}
  - G01G 23/206 . . . {special graduated scales therefor ([G01G 23/24 takes precedence](#))}
  - G01G 23/22 . . . combined with price indicators
  - G01G 23/24 . . . involving logarithmic scales
  - G01G 23/26 . . . Drive for the indicating member, e.g. mechanical amplifiers
  - G01G 23/28 . . . involving auxiliary or memory marks
  - G01G 23/30 . . . with means for illuminating the scale
  - G01G 23/32 . . Indicating the weight by optical projection means
  - G01G 23/34 . . . combined with price indicators
  - G01G 23/35 . . indicating the weight by photographic recording
  - G01G 23/36 . . indicating the weight by electrical means, e.g. using photoelectric cells
  - G01G 23/361 . . . {using photoelectric cells}
  - G01G 23/362 . . . {using electric contacts}

- G01G 23/363 . . . {using magnetic or capacitive contacts}
- G01G 23/365 . . . involving comparison with a reference value ([G01G 23/37](#) takes precedence)
- G01G 23/37 . . . involving digital counting
- G01G 23/3707 . . . . {using a microprocessor}
- G01G 23/3714 . . . . . {with feedback means}
- G01G 23/3721 . . . . . {with particular representation of the result, e.g. graphic}
- G01G 23/3728 . . . . . {with wireless means}
- G01G 23/3735 . . . . . {using a digital network}
- G01G 23/3742 . . . . . . {using a mobile telephone network}
- G01G 23/375 . . . . during the movement of a coded element
- G01G 23/38 . . Recording and/or coding devices specially adapted for weighing apparatus ([computers per se G06](#); [disc converters in general G08C](#))
- G01G 23/40 . . . mechanically operated
- G01G 23/42 . . . electrically operated
- G01G 23/44 . . . . Coding devices therefor
- G01G 23/46 . . . Devices preventing recording until the weighing mechanism has come to rest
- G01G 23/48 . Temperature-compensating arrangements ([G01G 1/14](#), [G01G 1/42](#), [G01G 3/18](#) take precedence)