



# 9. Scales



- Carpenter's Squares
- Stainless Steel Rules/Machine Scale
- Aluminum Rules
- Resin Folding Rules/Bamboo Rules
- Squares/Protractors
- Venier Calipers/Micrometers
- Tape Measures
- Surveying Products
- Scales**
- Levels
- Lasers/Optical Equipment
- Plumb Lines/Chalklines/Plumbobbers
- Circular Saw Guides
- Construction Tools
- Industrial Tools
- Thermometers/Hygrometers/Barometers
- Outdoor Products
- Magnifying Glasses
- Drawing Tools
- Magnets

Packaging Shrink package Box Vinyl package + header card Card No package  
 Sleeve package Bag Clear package Vinyl package

## Digital Compact Scale




70163

100 g proofreading counterweight included

Case included


**Features**

- Portable pocket size
- Able to show net weight without weight of container or bag
- Simple and highly visible white LCD display – visible even in the dark
- With auto power off function
- With back light



**Use**

- For weighing small parts, calculating number



**Specifications**

**Not for commercial use**

Capacity	200 g
Minimum Measurement	0.2 g
Scale Interval	0.1 g
Linearity	±0.2 g
Use Environment	10-30°C (lower than 85% of humidity)
Automatic Power Off	1 minute
Material	Platform: Stainless steel Cover: ABS resin
Digital Display	LCD Display, Character Height: 13 mm
Power Source	2x AAA Alkaline batteries (Batteries included are for trial use only and may not last as long.)

Item Code	Description	Body Size (mm)	Weight (g)	JAN Code	Packing Qty.	Packaging
70163	Mini 200 g	115x64x18	110	4 960910 701632	3	

JIS JIS mark With red numbers cm/shaku (Upper side for Front/shaku Lower side for Back/shaku) With magnet Vial with luminous sheet Thermometer Double-sided tape Letters in Japanese With stopper Oil Glass lens With edge  
 Japanese zodiac signs With battery shaku/cm (Upper side for Front/shaku Lower side for Back/shaku) With non-slip pad Thermometer-Hygrometer Hygrometer Air-tight Letters in English With direction arrow With grid scale Plastic lens

## Digital Scale for Commercial Use

70194



● Inspection certificate plate: serial number, assembly year, calibration month & year



Plastic tray included

70119

Sold separately



Item Code	Description	Body Size (mm)	Weight (g)	JAN Code	Pack. Qty. (Unit)	Packaging
70191	3 kg	281×259×148	2,050		1	B
70192	6 kg	281×259×148	2,050		1	
70193	15 kg	281×259×148	2,060		1	
70194	30 kg	281×259×148	2,065		1	
70119	AC adapter	84×58×69	463		1	

### Features

- Dustproof and waterproof IP56
  - 5 Protected from limited dust ingress
  - 6 Protected from high pressure water jets from any direction
- 30 mm character height large, back-lit screen
- Stainless steel plate accessory allows sanitary use. Detachable and washable
- Auto power off function: Turns off after about 9 minutes pass without operation
- Tare function that allows for the weight of the container and displays only the weight of the contents



### Use

- For weighing various things from crops to fishery products, etc

### Specifications

#### Suitable for commercial use

	70191	70192	70193	70194
Capacity	3 kg	6 kg	15 kg	30 kg
Minimum Measurement	50 g	100 g	200 g	500 g
Resolution	1/600	1/600	1/750	1/600
Scale Interval	5 g	10 g	20 g	50 g
Linearity	±5 g	±10 g	±20 g	±50 g
Reproducibility	±5 g	±10 g	±20 g	±50 g
Auto Power Off	Approximately 9 minutes			
Digital Display	LCD Display, Character Height: 30mm			
Dustproof/Waterproof	IP56 (when the battery is used)			
Plate Size	200 × 240 mm			
Material	Body: ABS resin			
Power Source	6x Alkaline batteries (not included) AC adapter (sold separately #70119)			
Rated Voltage	DC9V			

## Digital Scale

70106



Plastic tray included



Item Code	Description	Body Size (mm)	Weight (g)	JAN Code	Pack. Qty. (Unit)	Packaging
70104	3 kg	281×259×148	1,910		1	B
70105	6 kg	281×259×148	1,918		1	
70106	15 kg	281×259×148	1,924		1	
70107	30 kg	281×259×148	1,928		1	

### Features

- Dustproof and waterproof IP56
  - 5 Protected from limited dust ingress
  - 6 Protected from high pressure water jets from any direction
- 30 mm character height large, back-lit screen
- Stainless steel plate accessory allows sanitary use. Detachable and washable
- Auto power off function: Turns off after about 9 minutes pass without operation
- With tare function that allows for the weight of the container and displays only the weight of the contents



### Use

- For weighing various things from crops to fishery products, etc

### Specifications

#### Not for commercial use

	70104	70105	70106	70107
Capacity	3 kg	6 kg	15 kg	30 kg
Minimum Measurement	20 g	40 g	100 g	200 g
Resolution	1/3000			
Scale Interval	1 g	2 g	5 g	10 g
Linearity	±1 g	±2 g	±5 g	±10 g
Reproducibility	±1 g	±2 g	±5 g	±10 g
Auto Power Off	Approximately 9 minutes			
Digital Display	LCD Display, Character Height: 30 mm			
Dustproof/Waterproof	IP56 (when the battery is used)			
Plate Size	200 × 240 mm			
Material	Body: ABS resin			
Power Source	6x Alkaline batteries (not included) AC adapter (sold separately #70119)			
Rated Voltage	DC9V			

JIS JIS mark With red numbers cm/shaku (Upper side for front metric / Lower side for back shaku) With magnet Vial with luminous sheet Thermometer Double-sided tape Letters in Japanese With stopper Oil Glass lens With edge  
 Japanese zodiac signs With battery shaku/cm (Upper side for front shaku / Lower side for back metric) With non-slip pad Thermometer/Hygrometer Hygrometer With hanging tool Letters in English With direction arrow With grid scale Plastic lens



## Digital Scale Remote-reading



70108



Item Code	Description	Body Size (mm)	Weight (g)	JAN Code	Packing Unit	Package
70108	100 kg	276×291×33 Operating part 108×126×55	3,380	4 960910 701083	4	B

### Features

- Visible display position - remote display
- Rust-resistant stainless steel platform
- Low height platform (33 mm) is convenient when weighing heavy goods
- Easy-to-read 15 mm character height LCD display
- Auto power off function
- Percentage mode for comparative measurement
- Convenient tare function
- AC adapter included (1x 9V Alkaline battery also included)



### Use

- For weighing crops, etc.

### Specifications

**Not for commercial use**

Capacity	100 kg
Minimum Measurement	0.5 kg
Scale Interval	0.05 kg
Accuracy	±0.5 kg
Use Environment	5 - 35°C (without condensation)
Automatic Power Off	4 minutes
Digital Display	LCD Display, Character Height: 15 mm
Material	Platform: Stainless steel Body: Glass Operating Part: ABS resin
Power Source	1x 9V Alkaline battery (Battery included is for trial use only and may not last as long) AC adapter

## Scale



70008

Item Code	Description	Body Size (mm)	Weight (g)	JAN Code	Packing Unit	Package
70026	50 kg	350×289×146	5,000	4 960910 700260	1	B
70008	100 kg	350×289×146	5,000	4 960910 700086	1	B

### Features

- Easy-to-read graduation plate



50 kg

100 kg

- Low height platform is convenient when weighing heavy goods



### Use

- For weighing crops, etc.

### Specifications

**Not for commercial use**

	70026	70008
Capacity	50 kg	100 kg
Scale Interval	200 g	500 g
Size of Platform	350 × 250 mm	
Material	Platform, Body: Steel Graduation Display Cover: AS resin Graduation Plate: Aluminum	

## Scale for Commercial Use



70123



70124



70079



70084



70090



70093



70102



70101

Item Code	Description	Body Size (mm)	Weight (g)	JAN Code	Pack. Qty. (U)	Package
70123	200 g	240×190×210	1,800	4 960910 701236	1 (B)	B
70124	400 g	240×190×210	1,800	4 960910 701243	1 (B)	
70079	1 kg	240×190×210	1,800	4 960910 700796	1 (B)	
70081	2 kg	270×220×270	3,400	4 960910 700819	1 (4)	
70084	4 kg	270×220×270	3,400	4 960910 700840	1 (4)	
70087	8 kg	270×220×270	3,400	4 960910 700871	1 (4)	
70090	12 kg	270×220×270	3,400	4 960910 700901	1 (4)	
70093	20 kg	270×245×270	4,000	4 960910 700932	1 (4)	
70102	30 kg	280×260×275	4,500	4 960910 701021	1 (4)	
70101	50 kg	380×320×355	11,000	4 960910 701014	1 (4)	

### Features

- Easy-to-read scale with clear graduations
- Durable with robust design
- Dust and moisture proof (70101)

### Use

- For weighing various things from crops to fishery products, etc.

### Specifications

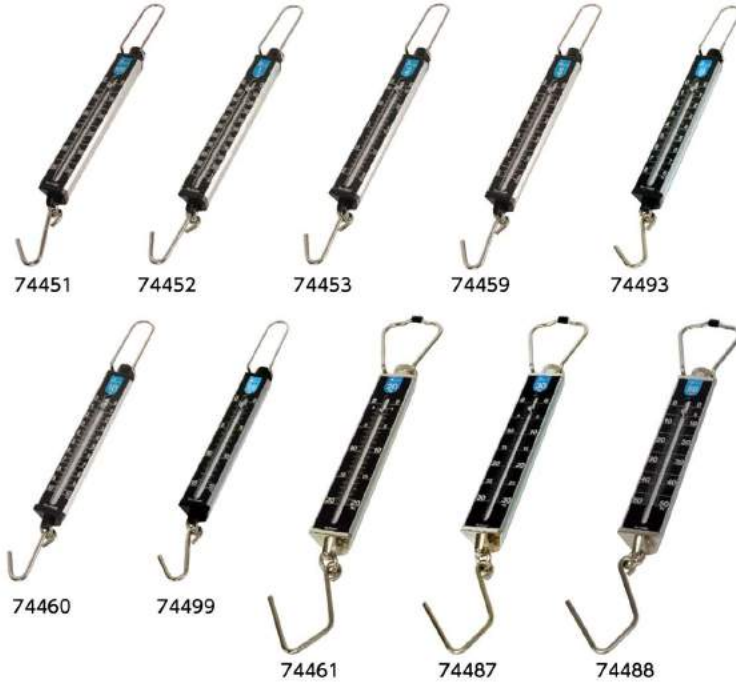
#### Suitable for commercial use

Type	Spring dial scale with standard matching verification		
Precision Grade	Grade 4		
	70123	70124	70079
Capacity	200 g	400 g	1 kg
Range of Use*1	20 g - 200 g	40 g - 400 g	100 g - 1 kg
Scale Interval	1 g	2 g	5 g
Number of Scales	200		
Tolerance*2	 ① 0 - 50 g ±1 g ② 50 g - 200 g ±2 g	 ① 0 - 100 g ±2 g ② 100 g - 400 g ±4 g	 ① 0 - 250 g ±5 g ② 250 g - 1 kg ±10 g
Dial Face	φ164 mm		
Platform Size	190 × 185 mm		
Platform Thickness	0.5 mm		
Material	Body: Copperplate Platform: Stainless steel Pointer: Aluminum Knob, Front Cover: Polyethylene resin		
	70081	70084	70087
Capacity	2 kg	4 kg	8 kg
Range of Use*1	100 g - 2 kg	200 g - 4 kg	400 g - 8 kg
Scale Interval	5 g	10 g	20 g
Number of Scales	400		
Tolerance*2	 ① 0 - 250 g ±5 g ② 250 g - 1 kg ±10 g ③ 1 kg - 2 kg ±15 g	 ① 0 - 500 g ±10 g ② 500 g - 2 kg ±20 g ③ 2 kg - 4 kg ±30 g	 ① 0 - 1 kg ±20 g ② 1 kg - 4 kg ±40 g ③ 4 kg - 8 kg ±60 g
Dial Face	φ196 mm		
Platform Size	220 × 210 mm		
Platform Thickness	0.5 mm		
Material	Body: Copperplate Platform: Stainless steel Pointer: Aluminum Knob, Front Cover: Polyethylene resin		
	70090	70093	70102
Capacity	12 kg	20 kg	30 kg
Range of Use*1	1 kg - 12 kg	2 kg - 20 kg	2 kg - 30 kg
Scale Interval	50 g	100 g	
Number of Scales	240	200	300
Tolerance*2	 ① 0 - 2.5 kg ±50 g ② 2.5 kg - 10 kg ±100 g ③ 10 kg - 12 kg ±150 g	 ① 0 - 5 kg ±100 g ② 5 kg - 20 kg ±200 g	 ① 0 - 5 kg ±100 g ② 5 kg - 20 kg ±200 g ③ 20 kg - 30 kg ±300 g
Dial Face	φ196 mm		
Platform Size	220 × 210 mm	245 × 230 mm	260 × 245 mm
Platform Thickness	0.5 mm	1.5 mm	
Material	Body: Copperplate Platform: Stainless steel Pointer: Aluminum Knob, Front Cover: Polyethylene resin		
	70101		
Capacity	50 kg		
Range of Use*1	2 kg - 50 kg		
Scale Interval	200 g		
Number of Scales	250		
Tolerance*2	 ① 0 - 10 kg ±200 g ② 10 kg - 40 kg ±400 g ③ 40 kg - 50 kg ±600 g		
Dial Face	φ270 mm		
Platform Size	320 × 320 mm		
Platform Thickness	2 mm		
Material	Body: Copperplate Platform: Stainless steel Pointer: Aluminum Knob, Front Cover: Polyethylene resin		

\*1 Range of use means the weight range suitable for commercial use.  
 \*2 Tolerance required by the Japanese Measurement Act, Ordinance of METI (METI: Ministry of Economy, Trade Industry) for commercial use in Japan.



### Spring Scale with Flat Scale Face



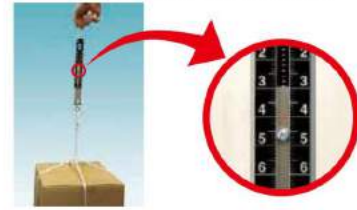
Item Code	Description	Minimum Scale Value (g)	Body Size (mm)	Weight (g)	JAN Code	Packing Unit	Package
74451	500 g	5	290x30x25	126	4 960910 744516	5	📦
74452	1 kg	10	290x30x25	126	4 960910 744523	5	📦
74453	2 kg	20	290x30x25	126	4 960910 744530	5	📦
74459	5 kg	50	290x30x25	131	4 960910 744592	5	📦
74493	8 kg	100	290x30x25	133	4 960910 744936	5	📦
74460	10 kg	100	290x30x25	136	4 960910 744608	5	📦
74499	15 kg	200	290x30x25	142	4 960910 744998	5	📦
74461	20 kg	200	410x45x35	593	4 960910 744615	3	📦
74487	30 kg	500	410x45x35	618	4 960910 744875	3	📦
74488	50 kg	500	410x45x35	618	4 960910 744882	3	📦

#### Features

- Flat graduation plate makes it easy to read
- Zero point adjustment knob

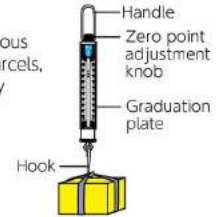


- Flat surface allows accurate readings



#### Use

- For weighing various things such as parcels, crops, and fishery products



#### Specifications

**Not for commercial use**

Type	Spring Scale				
	74451	74452	74453	74459	74493
Capacity	500 g	1 kg	2 kg	5 kg	8 kg
Scale interval	5 g	10 g	20 g	50 g	100 g
Number of Scales	96	95	96	80	
Tolerance	(less than half of capacity)	±5 g	±10 g	±20 g	±50 g ±100 g
	(more than half of capacity)	±10 g	±20 g	±40 g	±100 g ±200 g
Material	Body, Platform: Aluminum Handle, Hook: Iron Zero point adjustment knob, Platform Side: ABS resin				
	74460	74499	74461	74487	74488
Capacity	10 kg	15 kg	20 kg	30 kg	50 kg
Scale interval	100 g	200 g	500 g		
Number of Scales	96	75	98	60	96
Tolerance	(less than half of capacity)	±100 g	±200 g	±500 g	
	(more than half of capacity)	±200 g	±400 g	±1,000 g	
Material	Body, Platform: Aluminum Handle, Hook: Iron Zero point adjustment knob, Platform Side: ABS resin		Body, Platform: Aluminum Handle, Hook: Iron Zero point adjustment knob, Platform Side: Zero point casting		

### Digital Spring Scale



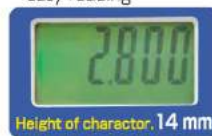
70109

- Back light display (Front only)



Back light on while an object is hanging on the hook

- Big size display panel for easy reading



Height of character, 14 mm

- Hold function



Stores the value on the display even after removing the object

#### Features

- With convenient tare function
- LCD display on the back as well



#### Use

- For weighing various things

#### Specifications

**Not for commercial use**

Capacity	20 kg
Scale Interval	10 g ( 0 - 10 kg) 20 g (10 - 20 kg)
Range of Use	0.2 - 20 kg
Use Environment	0 - 40°C (below 85% humidity)
Auto Power Off	0 - 19 minutes (adjustable by one minute)
Material	Body: ABS resin
Digital Display	Character Height: 14 mm on both sides of display
Power Source	2x Lithium batteries CR2032 (Batteries included are for trial use only and may not last as long)

Item Code	Description	Body Size (mm)	Weight (g)	JAN Code	Packing Unit	Package
70109	20 kg	240x65x29	225	4 960910 701090	2	📦