Scientific Products

A&D Australasia
“Excellence in Measurement”

www.andaustralasia.com.au
Light Capacity up to 2000g
- Customisable operator display
- The modular construction reduces system downtime and lightweight structure allow easy assembly and transportation
- A&D’s original, automatic adjustment function enables easy product parameter settings or adjustments
- High speed, Digital Signal Processing (DSP)
- Dual range model. The checkweigher’s weighing range and resolution can be selected from 500g x 0.01g or 2000g x 0.1g
- Meets the requirements of HACCP
- Easy switch to another production batch with minimal downtime
- Stainless steel frame construction meets IP65 requirements
- “Flat pack” ease of transport and setup

<table>
<thead>
<tr>
<th>MODEL</th>
<th>AD-4691-500D</th>
<th>AD-4961-2KD</th>
</tr>
</thead>
<tbody>
<tr>
<td>Weight capacity</td>
<td>500g</td>
<td>2000g</td>
</tr>
<tr>
<td>Resolution</td>
<td>0.01g</td>
<td>0.01g</td>
</tr>
<tr>
<td>Repeatability 3σ</td>
<td>±0.08g</td>
<td>±0.08g</td>
</tr>
<tr>
<td>Max weighing speed</td>
<td>200 pieces / min</td>
<td></td>
</tr>
<tr>
<td>Max belt speed</td>
<td>120m / min; belt size 200mm x 350mm</td>
<td></td>
</tr>
<tr>
<td>Weigh sensor</td>
<td>Digital load cell</td>
<td></td>
</tr>
<tr>
<td>Photo sensor</td>
<td>Polarised retro-reflective</td>
<td></td>
</tr>
<tr>
<td>Display</td>
<td>7 inch colour LCD Touch Panel</td>
<td></td>
</tr>
<tr>
<td>Speaker</td>
<td>Voice guidance</td>
<td></td>
</tr>
<tr>
<td>Sealed USB port (IP-65)</td>
<td>USB 2.0 (memory &amp; upload)</td>
<td></td>
</tr>
<tr>
<td>Serial interface</td>
<td>RS232C or RS485 available</td>
<td></td>
</tr>
<tr>
<td>Ethernet</td>
<td>10 Base-T/100Base-T Auto-MDIX</td>
<td></td>
</tr>
<tr>
<td>Modbus</td>
<td>Modbus RTU &amp; TCP available</td>
<td></td>
</tr>
<tr>
<td>Digital Output</td>
<td>Relay output for rejector</td>
<td></td>
</tr>
<tr>
<td>Digital Input</td>
<td>Dry contact input</td>
<td></td>
</tr>
<tr>
<td>Power Supply</td>
<td>AC 100-240V with Emergency Function</td>
<td></td>
</tr>
</tbody>
</table>
Key Feature Index

Super Hybrid Sensor
A&D’s Super Hybrid Sensor combines the best of magnetic force restoration and single point parallelogram load sensing technologies.

VFD Display
Vacuum Fluorescent Display

LCD Display
Liquid Crystal Display

LCD Backlight
Liquid Crystal Display with Backlight

0.01mg
Semi-Micro Resolution

Internal Calibration
Standard with built-in motor driven calibration masses. Calibrates itself when sensing a change in ambient temperature.

External Calibration

VFD Display
Vacuum Fluorescent Display

IP54
(Protected against moisture and dust)
The stainless steel weighing pan and sealed base are resistant to water and dust.

IP65
(Protected against moisture and dust)
The stainless steel weighing pan and sealed base are resistant to water and dust.

RS-232C
RS-232C can be used to connect with PC and printer.

WinCT
Windows Communication Tools software for easy transmission of weighing data from A&D balances to a PC using RS-232C interface

WinCT Moisture
Windows Communication Tools software for easy transmission of moisture content determination data from A&D moisture analyzers to PC using RS-232C interface

Full Digital Calibration
Simplifies calibration by eliminating the need to continuously load and unload calibration weights to adjust Zero and Span.

Compressor
Hi,LO,LO comparator output as an option.

ACAI (Automatic Counting Accuracy Improvement)
Continuous recalculation and update of average piece weight ensures optimum count accuracy even with very small parts.

Triple Range Weighing
Triple weighing resolution

Secondary Radiation Assist
Secondary Radiation Assist filtered chamber technology

Straight Halogen Lamp
Halogen Lamp as heating source

GLP Compliance
The data can be output to A&D’s AD-8121 printer or a computer, indicating date, time, Balance ID number and calibration weight.

Battery Operation (DD)
Battery Operation is available with 6 DD batteries.

Battery Operation (AA)
Battery Operation is available with 6 AA batteries.

Splash Proof
Splash Proof Keyboard and Display

ID Number
It is used to identify the balance when GLP is used.

Time & Date
Standard Time & Date Function complies with GLP and Interval Weighing in the Data Memory Function

Data Memory
Format for Data Memory Function

Smart Range
Fine weighing is possible even with a heavy container for more accuracy

Animal Weighing Mode
Allows you to quickly and accurately determine the weight of any live or unstable subject.

Universal Flex Coms
Allows you to print out as you format the printer

Percentage Function

Battery Operation (DD)
Battery Operation is available with 6 DD batteries.

Battery Operation (AA)
Battery Operation is available with 6 AA batteries.

Current Loop (optional)
Current loop serial interface

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WinCT Moisture
Windows Communication Tools software for easy transmission of moisture content determination data from A&D moisture analyzers to PC using RS-232C interface

Auto Power ON
Plug it in and it turns itself on without pressing ON/OFF key

Auto Power OFF
Auto power off function

WinCT Moisture
Windows Communication Tools software for easy transmission of moisture content determination data from A&D moisture analyzers to PC using RS-232C interface

Auto Power ON
Plug it in and it turns itself on without pressing ON/OFF key

Auto Power OFF
Auto power off function

ID Number
It is used to identify the balance when GLP is used.

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RS-232C can be used to connect with PC and printer.

WinCT
Windows Communication Tools software for easy transmission of weighing data from A&D balances to a PC using RS-232C interface

WinCT Moisture
Windows Communication Tools software for easy transmission of moisture content determination data from A&D moisture analyzers to PC using RS-232C interface

Auto Power ON
Plug it in and it turns itself on without pressing ON/OFF key

Auto Power OFF
Auto power off function

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Battery Operation (DD)
Battery Operation is available with 6 DD batteries.

Battery Operation (AA)
Battery Operation is available with 6 AA batteries.

Current Loop (optional)
Current loop serial interface

IP54
(Protected against moisture and dust)
The stainless steel weighing pan and sealed base are resistant to water and dust.

IP65
(Protected against moisture and dust)
The stainless steel weighing pan and sealed base are resistant to water and dust.
Simple data capture with free WINCT software

- Easy, fanless elimination of static electricity using a built-in ionizer & antistatic breeze break
- Large weighing chamber for improved usability
- Built-in temperature, humidity, and atmospheric pressure sensors
- Interlockable slide doors allowing efficient operation with both hands
- Calibration: Automatically triggered based on temperature variation or by operator
- Can store up to 200 sets of weighing data (100 sets with date & time)
- AD-1688 as standard accessory: dedicated USB key to record weighing data as well as environmental parameters into MS Excel readable files
- 12 weighing units: g, mg, oz, ozt, ct, mom, dwt, GN, tael, tola, pcs (counting), %.
- Optional pipette accuracy testing kit (for BM-20/22)
- Output interfaces: RS-232C (standard), Quick USB (standard), Ethernet (optional)

Specifications

<table>
<thead>
<tr>
<th></th>
<th>BM-20</th>
<th>BM-22</th>
<th>BM-252</th>
<th>BM-200</th>
<th>BM-300</th>
<th>BM-500</th>
</tr>
</thead>
<tbody>
<tr>
<td>Capacity</td>
<td>22g</td>
<td>5.1g /22</td>
<td>250g</td>
<td>220g</td>
<td>320g</td>
<td>520g</td>
</tr>
<tr>
<td>Resolution</td>
<td>0.001mg</td>
<td>0.001mg / 0.01mg</td>
<td>0.01mg</td>
<td>0.1mg</td>
<td>0.1mg</td>
<td>0.1mg</td>
</tr>
<tr>
<td>Repeatability (Std. Dev.)</td>
<td>0.0025mg (1g)</td>
<td>0.004mg (1g) / 0.01mg</td>
<td>0.03mg (100g)</td>
<td>0.1mg</td>
<td>0.2mg</td>
<td>0.2mg</td>
</tr>
<tr>
<td>Stabilisation time (on FAST)</td>
<td>Approx 10secs</td>
<td>10secs / 8secs</td>
<td>Approx 8secs</td>
<td>Approx 3.5secs</td>
<td>Approx 3.5secs</td>
<td>Approx 3.5secs</td>
</tr>
<tr>
<td>Sensitivity drift</td>
<td>(10°C to 30°C, when self calibration is not used)</td>
<td>±2 ppm / °C</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Pan Size</td>
<td>Ø 25mm (50 and 95mm for filter pans)</td>
<td>Ø 90mm</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Power Supply</td>
<td>AC Adaptor TB-5139</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
Viscometry Revolution!

Measurement Principle
SV measures the viscosity by detecting the driving current necessary to resonate the 2 sensor plates at constant frequency of 30 Hz and the amplitude of less than 1mm.

- Wide measurement range 0.3 – 10,000 mPa·s for SV-10, 1,000 – 100,000 mPa·s for SV-100
- Temperature measurement from 0 to 100ºC
- High measurement accuracy for repeatability of 1% of reading for viscosity measurement
- Small sample size of 35ml and optional 10ml cup and 13ml glass cup
- Easy cleaning for sensor plates and temperature sensor
- WinCT-Viscosity for data collection to PC and graphical display
- Viscosity Calibration function by users
- Temperature control application with Water Jacket AX-SV-37

WinCT-Viscosity

RsVisco is software to import the measurements of viscosity and temperature by SV series to a PC automatically and display the measurement result by graph on a real-time basis, the scaling function and the logarithm display is selectable in the function.

Saving the measurement data by “CSV” file and open it on the RsVisco is very convenient for your future analysis of your sample fluid viscosity.

Temperature and viscosity of lubricating oil

Heat change of egg white or Log display

<table>
<thead>
<tr>
<th>Model</th>
<th>Range</th>
<th>Measurement Unit</th>
</tr>
</thead>
<tbody>
<tr>
<td>SV-10</td>
<td>0.3 – 10,000 mPa·s</td>
<td>mPa·s, Pa·s, cP, P</td>
</tr>
<tr>
<td>SV-100</td>
<td>1 – 100 Pa·s</td>
<td>Pa·s, P</td>
</tr>
</tbody>
</table>
SV-1A/SV-10A

Sine-wave Vibro Viscometers

- The Sensor unit can be detached for field research purposes
- A portable carrying case is provided as standard

- 2ml Sample Measurement (SV-1A)
- X-Y-Z Stage for Fine Position Adjustment
- Anti-corrosive, Titanium Sensor Plates
- Standard WinCT-Viscosity,
- Serial-USB Converter

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<table>
<thead>
<tr>
<th>Measurement Method</th>
<th>SV-10A</th>
<th>SV-1A</th>
</tr>
</thead>
<tbody>
<tr>
<td>Measurement Method</td>
<td>Sine-wave Vibro Viscometer using Tuning Fork Vibration Method (30Hz)</td>
<td></td>
</tr>
<tr>
<td>Viscosity Measurement Range</td>
<td>0.3~10000mPa.s</td>
<td>0.3~1000mPa.s</td>
</tr>
<tr>
<td>Accuracy</td>
<td>1% Repeatability (S.D., 20~30ºD, No condensation)</td>
<td></td>
</tr>
<tr>
<td>Minimum Sample Amount</td>
<td>10ml~</td>
<td>2ml~</td>
</tr>
<tr>
<td>Temperature Measurement</td>
<td>0<del>160ºC/0.1ºC (32</del>320ºF/0.1ºF)</td>
<td></td>
</tr>
<tr>
<td>Power Supply</td>
<td>AC Adaptor (Approx. 14VA)</td>
<td></td>
</tr>
</tbody>
</table>
Compliance with ISO8655 or any other specifications based on the “gravimetric method”

- Select from three models covering a wide volumetric range
- Easy test and data management using special WinCT-Pipette software
- Standard liquid thermometer and evaporation trap to ensure as precise measurements as possible
- Includes a calibration weight and tweezers for the balance

### Pipette Specifications in accordance with ISO8655

<table>
<thead>
<tr>
<th>Pipette Nominal Volume (µL)</th>
<th>ISO8655 Requirements (Gravimetric Method)</th>
<th>Maximum Permissible Error</th>
<th>Balance Minimum Weighing Value (mg)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Accuracy (Systematic Error)</td>
<td>Repeatability (Random Error)</td>
<td></td>
</tr>
<tr>
<td>20</td>
<td>±%</td>
<td>±µL</td>
<td>%</td>
</tr>
<tr>
<td>50</td>
<td>1.0</td>
<td>0.2</td>
<td>0.5</td>
</tr>
<tr>
<td>100</td>
<td>0.8</td>
<td>0.8</td>
<td>0.3</td>
</tr>
<tr>
<td>200</td>
<td>0.8</td>
<td>1.6</td>
<td>0.3</td>
</tr>
<tr>
<td>500</td>
<td>0.8</td>
<td>4.0</td>
<td>0.3</td>
</tr>
<tr>
<td>1000</td>
<td>0.8</td>
<td>8.0</td>
<td>0.3</td>
</tr>
<tr>
<td>2000</td>
<td>0.8</td>
<td>16.0</td>
<td>0.3</td>
</tr>
<tr>
<td>5000</td>
<td>0.8</td>
<td>40.0</td>
<td>0.3</td>
</tr>
<tr>
<td>10000</td>
<td>0.6</td>
<td>60.0</td>
<td>0.3</td>
</tr>
<tr>
<td>Daily inspection, simplified verification</td>
<td></td>
<td></td>
<td>1*6</td>
</tr>
</tbody>
</table>

*4 The maximum volume selectable for variable volume pipettes

*5 The AD-4212B-PT can be used for the pipette volume range from 20 µL to 10000 µL

*6 The minimum weighing value, 1mg, corresponds to approximately 1 µL. If a pipette volume is 1000 µL, a test can be performed with a resolution of 0.1%. If 200 µL, 0.5%.

Note) Make sure that the measurement environment is free from vibration, drafts and air from air conditioners.
Fast and uniform heating with halogen lamp and innovative SRA (Secondary Radiation Assist) technology
High repeatability with SHS (Super Hybrid Sensor) technology
WinCT-Moisture for suggestion of optimum heating temperature (RsTemp) and real-time graphical display (RsFig) (standard for MS & MX)
Sodium Tartrate Dihydrate for accuracy checking
Calibration function for heating temperature with AX-MX-43 (MS/MX only)
Memory function
Five measurement programs (Standard, Quick, Automatic, Timer and Manual Mode)
Four heating mode for MS/MX/MF (Standard, Quick, Step and Ramp Heating Mode)
Large VFD display for clear and easy viewing
Easy handling of the unit
Low maintenance cost assured
Progress window for heating check
Self check function
Quick reference card
Standard RS232C
Conformity to GLP / GMP / GCP / ISO with date/time
ID, calibration data and check record output

WinCT–Moisture
Measurement example
WinCT-Moisture consists of RsTemp software to determine the heating temperature and RsFig software for graphics.

<table>
<thead>
<tr>
<th>Model</th>
<th>MS-70</th>
<th>MX-50</th>
<th>MF-50</th>
<th>ML-50</th>
</tr>
</thead>
<tbody>
<tr>
<td>Measurement Method</td>
<td>400W straight halogen lamp heating system with SRA filter and SHS weighing technology</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Max Sample Weight Capacity</td>
<td>71g</td>
<td>51g</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Weight Resolution</td>
<td>0.0001g</td>
<td>0.001g</td>
<td>0.002g</td>
<td>0.005g</td>
</tr>
<tr>
<td>Moisture Content Display</td>
<td>0.01%/0.1%/0.1%</td>
<td>0.1%/0.1%</td>
<td>0.05%/0.1%/0.1%</td>
<td>0.1%/0.1%</td>
</tr>
<tr>
<td>Moisture Content over 1g</td>
<td>0.05%</td>
<td>0.10%</td>
<td>0.20%</td>
<td>0.5%</td>
</tr>
<tr>
<td>Accuracy over 5g</td>
<td>0.01%</td>
<td>0.02%</td>
<td>0.05%</td>
<td>0.1%</td>
</tr>
<tr>
<td>Heating Technology</td>
<td>Halogen lamp (Straight type, 400 Watt max, 5000 hours)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Drying Temperature</td>
<td>30 — 200°C</td>
<td>50 — 200°C</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Measurement Programs</td>
<td>Standard Mode / Automatic Complete Mode / Timer Mode / Manual Mode / Quick Mode</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Measurement Mode</td>
<td>Wet base / Dry base / Solid content / Ratio / Weight</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Display Type</td>
<td>Large VFD</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Sample Pan Size</td>
<td>Ø 85mm</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
Wide weighing range for 0.01mg resolution, 101g for GH252
One-Touch Automatic Calibration by motor-driven internal calibration mass (GH only)
Automatic Self Calibration when the ambient temperature changes (GH only)
Standard RS-232C interface for printer, PC or other peripherals
GLP / GMP / ISO compliance
Data memory function (GH only)
ID number for GLP output
Auto Power ON function
Big weighing chamber of 183 (W) x 148.5 (D) x 251 (H) mm
WinCT CD ROM included free

<table>
<thead>
<tr>
<th>Model</th>
<th>Capacity</th>
<th>Resolution</th>
<th>Pan Size</th>
</tr>
</thead>
<tbody>
<tr>
<td>GH-252</td>
<td>250g / 101g</td>
<td>0.1 / 0.01mg</td>
<td>Ø 90mm</td>
</tr>
</tbody>
</table>
One Touch, Fully Automatic Self-Calibration
- Easy Access Door
- Splash Proof Keyboard and Display
- Advanced Stabilization Software
- Automatic Adjustable Environment Setting
- Multiple Weighing Units
- GLP Compliance
- Standard RS-232C communication with PC
- Standard Underhook

*WinCT*: CD ROM as a standard accessory

<table>
<thead>
<tr>
<th>Model</th>
<th>Capacity</th>
<th>Resolution</th>
<th>Pan Size</th>
</tr>
</thead>
<tbody>
<tr>
<td>GR-202</td>
<td>210g / 42g</td>
<td>0.1 / 0.01mg</td>
<td>Ø 85mm</td>
</tr>
<tr>
<td>GR-200</td>
<td>210g</td>
<td>0.1mg</td>
<td></td>
</tr>
<tr>
<td>GR-300</td>
<td>310g</td>
<td>0.1mg</td>
<td></td>
</tr>
</tbody>
</table>
HR-A: External Calibration

HR-AZ: Internal Calibration

NEW!! Smart range 251 models 60g x 0.1mg

- Easy data capture with free WINCT software
- Strong protection against dust & water
- Shock absorber function
- Auto Power ON/OFF function
- B5 size footprint for use in narrow space
- Reverse Backlit LCD Display for easy to read weighing results
- SCF - Statistical calculation function
- Fast compact SHS Sensor, response time of about 2 seconds
- Quick USB interface – no driver installation required (optional)
- LAN – Ethernet interface with WinCT-Plus Software (optional)
- Easily removable large breeze break
- Built-in rechargeable NiMH battery pack (optional)

Specifications

<table>
<thead>
<tr>
<th></th>
<th>HR-250A</th>
<th>HR-251A</th>
<th>HR-250AZ</th>
<th>HR-251AZ</th>
</tr>
</thead>
<tbody>
<tr>
<td>Capacity</td>
<td>252g</td>
<td>62g / 252g</td>
<td>252g</td>
<td>62g / 252g</td>
</tr>
<tr>
<td>Resolution</td>
<td>0.1mg</td>
<td>0.1mg / 1mg</td>
<td>0.1mg</td>
<td>0.1mg / 1mg</td>
</tr>
<tr>
<td>Internal Calibration</td>
<td>No</td>
<td>No</td>
<td>Yes</td>
<td>Yes</td>
</tr>
<tr>
<td>Pan Size</td>
<td>Ø 90mm</td>
<td>Ø 90mm</td>
<td>Ø 90mm</td>
<td>Ø 90mm</td>
</tr>
<tr>
<td>Linearity</td>
<td>±0.3mg</td>
<td>±0.3mg / ±0.1mg</td>
<td>±0.3mg</td>
<td>±0.3mg / ±0.1mg</td>
</tr>
<tr>
<td>Power Supply</td>
<td>AC Adaptor TB-S139</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

*iv Smart range function: The minimum weighing value will switch to 1 mg automatically when the display value exceeds 62 g but returns to 0.1 mg by pressing RE-ZERO (tare)
GX Series

Multi-functional
Precision Balances

With optional glass breeze break

Trade Approved
NMI Cert. 6/4C/219

- Fast, Super Hybrid Sensor (SHS) gives you the ultimate in response speed - Just ONE Second!
- Resolution Ranges: 1/60,000 to 1/600,000
- Internal Calibration makes calibrating your GX Balance easy when you relocate or bump your balance. Just push a button!
- Automatic Self-Calibration calibrates the balance when it detects changes in the ambient temperature
- Large, bright Vacuum Fluorescent Display - see the display even in the dark
- Percentage, Counting Functions & Comparator functions
- ACAI Counting Function for highly accurate counting
- GLP/GMP/ISO Compliance

WinCT: CD ROM included FREE!

<table>
<thead>
<tr>
<th>Model</th>
<th>Capacity</th>
<th>Resolution</th>
<th>Pan Size</th>
</tr>
</thead>
<tbody>
<tr>
<td>GX-200</td>
<td>210g</td>
<td>0.001 / 0.01 g</td>
<td>128 x 128 mm</td>
</tr>
<tr>
<td>GX-400</td>
<td>410g</td>
<td>0.001 / 0.01 g</td>
<td></td>
</tr>
<tr>
<td>GX-600</td>
<td>610g</td>
<td>0.001 / 0.01 g</td>
<td></td>
</tr>
<tr>
<td>GX-800</td>
<td>810g</td>
<td>0.001 g</td>
<td></td>
</tr>
<tr>
<td>GX-1000</td>
<td>1,000g</td>
<td>0.001 g</td>
<td></td>
</tr>
<tr>
<td>GX-2000</td>
<td>2,100g</td>
<td>0.01 / 0.1 g</td>
<td>165 x 165 mm</td>
</tr>
<tr>
<td>GX-4000</td>
<td>4,100g</td>
<td>0.01 / 0.1 g</td>
<td></td>
</tr>
<tr>
<td>GX-6100</td>
<td>6,100g</td>
<td>0.01 / 0.1 g</td>
<td></td>
</tr>
<tr>
<td>GX-8000</td>
<td>8,100g</td>
<td>0.1 g</td>
<td></td>
</tr>
</tbody>
</table>

*Trade Approved Resolution
GF Series
Multi-functional Precision Balances

With optional glass breeze break

GF Series
Multi-functional Precision Balances

WinCT: CD ROM included FREE!

Model Capacity Resolution Pan Size
GF-200 210g 0.001g 128 x 128 mm
GF-300 310g 0.001g 165 x 165 mm
GF-400 410g 0.001g*
GF-1200 1,210g 0.01g*
GF-3000 3,100g 0.01g*
GF-4000 4,100g 0.01g*
GF-6100 6,100g 0.01g*
GF-6000 6,100g 0.1g*
GF-8000 8,100g 0.1g*

Fast, new Super Hybrid Sensor (SHS) gives you the ultimate in response speed - Just ONE Second!
Resolution Ranges: 1/60,000 to 1/600,000
Large, bright Vacuum Fluorescent Display - see the display even in the dark
Percentage, Counting Functions & Comparator functions
ACAI Counting Function for highly accurate counting
GLP/GMP/ISO Compliance
Trade Approved NMI Cert. 6/4C/219

WinCT: CD ROM included FREE!

*Trade Approved Resolution
GX-K/GF-K Series
Precision Industrial Balances

- Ultra fast response speed by Super Hybrid Sensor (SHS) – Just 1.5 seconds
- One-Touch Automatic Calibration by motor-driven internal calibration mass (GX-K only)
- Automatic Self Calibration when the ambient temperature changes (GX-K only)
- Water and Dust proof – IP65
- Standard RS-232C interface
- GLP / GMP / GCP / ISO compliance
- ID number for GLP output
- WinCT CD ROM included free
- Counting function with Automatic Counting Accuracy Improvement (ACAI)
- Auto Power ON function
- Display Auto Power OFF function
- Data memory function
- Smart Range function (GX/GF-8K2 / 32K only)

<table>
<thead>
<tr>
<th>Model</th>
<th>Capacity</th>
<th>Resolution</th>
<th>Pan Size</th>
</tr>
</thead>
<tbody>
<tr>
<td>GX-8K</td>
<td>8.1kg</td>
<td>0.01 / 0.1g*</td>
<td>270 x 210 mm</td>
</tr>
<tr>
<td>GX-8K2**</td>
<td>8.1 / 2.1kg</td>
<td>0.01 / 0.1g*</td>
<td></td>
</tr>
<tr>
<td>GX-10K</td>
<td>10.1 / 0.01kg</td>
<td>0.01 / 0.1g*</td>
<td></td>
</tr>
<tr>
<td>GX-20K</td>
<td>21kg</td>
<td>0.1 / 1g*</td>
<td></td>
</tr>
<tr>
<td>GX-30K</td>
<td>31kg</td>
<td>0.1 / 1g*</td>
<td></td>
</tr>
<tr>
<td>GF-8K</td>
<td>8.1kg</td>
<td>0.01g</td>
<td></td>
</tr>
<tr>
<td>GF-10K</td>
<td>10.1 / 0.01kg</td>
<td>0.01g</td>
<td></td>
</tr>
<tr>
<td>GF-12K</td>
<td>12kg</td>
<td>0.1g</td>
<td></td>
</tr>
<tr>
<td>GF-30K</td>
<td>30kg</td>
<td>0.1g</td>
<td></td>
</tr>
</tbody>
</table>

* Trade Approved Resolution  **SmartRange Function
**Trade Approved**

*N.M.I Cert. 6/4C/219 (except GP-40K)*

- Swing arm design or separate meterhead/platform design
- Easy calibration with internal calibration mass
- 1.5 second response speed with SHS
- Rugged aluminium alloy & stainless steel construction
- GLP/GMP/ISO Compliance
- RS-232C as standard
- Large blue Vacuum Fluorescent Display
- Data memory function
- Counting function with ACAI (Automatic Counting Accuracy Improvement)
- Smart Range function (GP-32K / -102K)
- GP-S for detached display unit (GP-30KS / -100KS)
- IP-65 for Splash proof Keyboard Display and Base unit
- Comparator function

<table>
<thead>
<tr>
<th>Model</th>
<th>Capacity</th>
<th>Resolution</th>
<th>Pan Size</th>
</tr>
</thead>
<tbody>
<tr>
<td>GP-12K</td>
<td>12kg</td>
<td>0.1g</td>
<td>384mm x 344 mm</td>
</tr>
<tr>
<td>GP-20K</td>
<td>21kg</td>
<td>0.1g</td>
<td></td>
</tr>
<tr>
<td>GP-32K*1</td>
<td>31kg / 6.1kg</td>
<td>1g / 0.1g</td>
<td></td>
</tr>
<tr>
<td>GP-30K/30KS*2</td>
<td>31kg</td>
<td>0.1g</td>
<td></td>
</tr>
<tr>
<td>GP-32KS</td>
<td>31kg</td>
<td>0.1g</td>
<td></td>
</tr>
<tr>
<td>GP-40K</td>
<td>41kg</td>
<td>0.5g</td>
<td></td>
</tr>
<tr>
<td>GP-60KS/61KS</td>
<td>61kg</td>
<td>1g</td>
<td></td>
</tr>
<tr>
<td>GP-61KA</td>
<td>61kg</td>
<td>1g</td>
<td></td>
</tr>
<tr>
<td>GP-100K</td>
<td>101kg</td>
<td>1g</td>
<td></td>
</tr>
<tr>
<td>GP-102K*1</td>
<td>101kg / 61kg</td>
<td>10g / 1g</td>
<td>386mm x 346 mm</td>
</tr>
</tbody>
</table>

*1: SmartRange Function  *2: GP-KS means GP with detached display unit
Features:
- Internal Calibration: FZ-i
- External Calibration: FX-i
- Compact SHS-Super Hybrid Sensor ensures 1 second stabilisation
- Multiple Weighing Units-15 units of measurement are selectable
- Vacuum Fluorescent Display-Great Visibility from all reading angles
- SCF Statistical Calculation Function-Can display or output a complete stats package
- USB Interface-Optional USB interface with no driver installation necessary
- RS232 Data Interface-Standard on the FZ/FX-i range
- GLP/GMP/GCP/ISO Compliant—Complies with your lab management system
- Digital Calibration Function-Simple calibration sequence using external masses
- Animal Weighing Mode-Suitable for weighing unstable samples
- Comparator Function-Adjust balance response time to suit environment
- Optional Ethernet Interface-Connect to your LAN
- Optional Rechargeable Battery-Total Portability for your balance
- Standard Breeze Break on 1mg models (FX-i)
- Standard Breeze Break on all models (FZ-i)

Additional Information:
A perfect solution to a balance requirement where space is at a premium. With a footprint the size of B5 sheet of paper the FX-i will suit applications previously dismissed due to the lack of a quality balance of this size.

Capacities:

<table>
<thead>
<tr>
<th>Model</th>
<th>Capacity</th>
</tr>
</thead>
<tbody>
<tr>
<td>FZ/FX-300i</td>
<td>320g x 0.001g</td>
</tr>
<tr>
<td>FZ/FX-3000i</td>
<td>3200g x 0.01g</td>
</tr>
<tr>
<td>FZ/FX-500i</td>
<td>520g x 0.001g</td>
</tr>
<tr>
<td>FZ/FX-5000i</td>
<td>5200g x 0.01g</td>
</tr>
</tbody>
</table>

Options:

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>FZ/FX OP-02</td>
<td>USB Interface with cable</td>
</tr>
<tr>
<td>FZ/FX OP-08</td>
<td>Ethernet Interface with WinCT Plus Software</td>
</tr>
<tr>
<td>FZ/FX OP-09</td>
<td>Rechargeable Battery</td>
</tr>
<tr>
<td>FZ/FX OP-10</td>
<td>Small Breeze Break</td>
</tr>
<tr>
<td>FZ/FX OP-11</td>
<td>Large Breeze Break</td>
</tr>
</tbody>
</table>
Features:

- Internal Calibration: FZ-i
- External Calibration: FX-i
- IP65
- Compact B5 size
- Fast stabilisation speed - Just 1 second
- Large bright Vacuum Fluorescent Display
- Shock absorber function
- Statistical calculation function
- Multiple weighing units
- GLP, GMP, GCP, ISO compliant
- Digital Calibration Function
- Comparator function
- Buzzer function
- Hold function for Animal weighing application
- Counting function with ACAI (Automatic Counting Accuracy Improvement)
- Capacity indicator function
- Percent mode function
- Auto Power ON function
- Auto Power OFF function
- Built-in Rechargeable Battery - optional
- Under hook for suspended weighing
- Adjustable foot
- RS232 Data Interface-RS 232C Interface is standard on the FZ/FXI-WP range
- Standard Breeze Break on 1mg models (FX-i)
- Standard Breeze Break on all models (FX-i)

Applications

The FZ/FX-iWP will be completely at home in any area where moisture or dust would prove a barrier to a normal top pan precision balance. The balance is immune to product spillages both wet and dry and has the rugged performance to cope with even the toughest environment. A high quality that can be used almost anywhere.

Capacities:

<table>
<thead>
<tr>
<th>Model</th>
<th>Capacity</th>
</tr>
</thead>
<tbody>
<tr>
<td>FZ/FX-300iWP</td>
<td>320g x 0.001g</td>
</tr>
<tr>
<td>FZ/FX-3000iWP</td>
<td>3200g x 0.01g</td>
</tr>
</tbody>
</table>

Options:

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>FZ/FXi-02</td>
<td>Quick USB interface with cable</td>
</tr>
<tr>
<td>FZ/FXi-08</td>
<td>Ethernet interface with WinCT-Plus software</td>
</tr>
<tr>
<td>FZ/FXi-09</td>
<td>Built-in rechargeable battery</td>
</tr>
<tr>
<td>FZ/FXi-WP-10</td>
<td>Small breeze break</td>
</tr>
<tr>
<td>FZ/FXi-WP-11</td>
<td>Large breeze break</td>
</tr>
</tbody>
</table>

Trade Approved
NMI Cert. 6/4C/269
(FZ-i only, 1/3000)
Provides multiple weighing units, including count and percentages.

Stackable body allows convenient storage of multiple units.

Calculates density automatically using the optional density kit.

Battery indicator shows remaining charge.

Backlit display - ideal for poorly lit areas.

Modular design for density and breeze break options.

<table>
<thead>
<tr>
<th>MODEL</th>
<th>EJ-123</th>
<th>EJ-303</th>
<th>EJ-410</th>
<th>EJ-610</th>
<th>EJ-1500</th>
<th>EJ-4100</th>
<th>EJ-6100</th>
</tr>
</thead>
<tbody>
<tr>
<td>Weight capacity</td>
<td>120g</td>
<td>300g</td>
<td>410g</td>
<td>610g</td>
<td>1500g</td>
<td>4100g</td>
<td>6100g</td>
</tr>
<tr>
<td>Min. display “d”</td>
<td>0.001g</td>
<td>0.01g</td>
<td></td>
<td>0.1g</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Weighing pan size</td>
<td>110mm Ø</td>
<td></td>
<td></td>
<td></td>
<td>127mm x 140mm</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Weighing units</td>
<td>g, pcs, %, oz, ozt, ct, mom, dwt, GN, N, SG (density), tola*, tael (HG, HJ, T)*</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
**EK-i Series**
Compact and lightweight
- Large wide angle LCD display with backlit
- High Resolution up to 1/60,000
- Standard RS-232C communication with PC
- 9 Multi-weighing Units with user priority start-up
- Counting Function with ACAI
- Standard Comparator Function
- Full Digital Calibration with optional user definable mass setting
- Optional Rechargeable Battery Pack
- GLP Compliance

**EW-i Series**
- Triple range weighing
- Standard PS-232C communication with PC
- Compact and lightweight
- Large wide angle LCD display with back light
- High Resolution
- 9 Multi-Weighing Units with user priority start-up
- Counting Function with ACAI
- Standard Comparator Function
- Full Digital Calibration with optional user definable mass setting
- Optional Rechargeable Battery Pack
- Overload Protection
- GLP Compliance

### Model Specifications

<table>
<thead>
<tr>
<th>Model</th>
<th>Capacity</th>
<th>Resolution</th>
<th>Pan Size</th>
</tr>
</thead>
<tbody>
<tr>
<td>EK-410i</td>
<td>400g</td>
<td>0.01g</td>
<td>Ø 110mm</td>
</tr>
<tr>
<td>EK-610i</td>
<td>600g</td>
<td>0.01g</td>
<td>Ø 133 x 170mm</td>
</tr>
<tr>
<td>EK-4100i</td>
<td>4000g</td>
<td>0.1g</td>
<td></td>
</tr>
<tr>
<td>EK-6100i</td>
<td>6000g</td>
<td>0.1g</td>
<td></td>
</tr>
<tr>
<td>EK-6000i</td>
<td>6000g</td>
<td>1g</td>
<td></td>
</tr>
<tr>
<td>EK-12Ki</td>
<td>12kg</td>
<td>1g</td>
<td></td>
</tr>
</tbody>
</table>

### Trade Approved
NMI Cert. 6/4C/219
*Trade increment requires reduced ranges
AD-8121B  Multi-Function Printer
- Dot Matrix Impact Printer
- Multiple Weighing & Statistical Functions
- Battery or AC Adapter Operation

AD-1682  Rechargeable Battery Unit
- Compatible products: GH, GR, HR, GX, GF, GP, EK-i, EW-i, FC-i/Si, HC, HD

<table>
<thead>
<tr>
<th>Feature</th>
<th>Specification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Battery Weight</td>
<td>Approx. 1.1kg</td>
</tr>
<tr>
<td>Battery Life</td>
<td>4-50 hours depending on operating conditions and connected devices</td>
</tr>
<tr>
<td>Dimensions</td>
<td>57 (H) x 96 (W) x 124 (D) mm</td>
</tr>
<tr>
<td>Battery Type</td>
<td>Nickel-metal-hydride (Ni-MH) battery</td>
</tr>
</tbody>
</table>

AD-1683  Static Eliminator
- AD1683 generates positive and negative ion to eliminate the static electricity

AD-8920  Remote Display
- Bright VFD display (13mm) to connect to either RS-232C or Current Loop interface

AD-8922  Remote Controller
- AD-8922 is a remote controller to connect A&D’s weighing instruments to display the weighing data and control the weighing instrument with key operation
Stainless steel weighing pan
NMI Approval pending

<table>
<thead>
<tr>
<th>Model</th>
<th>Weighing Capacity</th>
</tr>
</thead>
<tbody>
<tr>
<td>SJ-3000WP</td>
<td>3000g x 0.5g</td>
</tr>
<tr>
<td>SJ-6000WP</td>
<td>6000g x 1g</td>
</tr>
<tr>
<td>SJ-15KWP</td>
<td>15kg x 2g</td>
</tr>
<tr>
<td>SJ-30KWP</td>
<td>30kg x 5g</td>
</tr>
</tbody>
</table>

NMI Approved for trade except for SK-5001WP
Dust and water proof (IP65)
Stainless steel body and Weighing Pan
Large & Clear LCD Display (25mm)
1/2000 Resolution (SK-5001WP: 1/5000)
Net Weight / Stability Indication
Portable (6 D Type Batteries. Batteries not included)
Long battery life: Approx. 1200 hours with alkaline cells at 20°C, AC Adapter included

<table>
<thead>
<tr>
<th>Model</th>
<th>Capacity</th>
<th>Resolution</th>
<th>Pan Size</th>
</tr>
</thead>
<tbody>
<tr>
<td>SK-1000WP</td>
<td>1000g</td>
<td>0.5g</td>
<td>232 x 192mm</td>
</tr>
<tr>
<td>SK-2000WP</td>
<td>2000g</td>
<td>1g</td>
<td></td>
</tr>
<tr>
<td>SK-5000WP</td>
<td>5000g</td>
<td>2g</td>
<td></td>
</tr>
<tr>
<td>SK-5001WP</td>
<td>5000g</td>
<td>1g</td>
<td></td>
</tr>
<tr>
<td>SK-10KWP</td>
<td>10Kg</td>
<td>5g</td>
<td></td>
</tr>
<tr>
<td>SK-20KWP</td>
<td>20Kg</td>
<td>10g</td>
<td></td>
</tr>
</tbody>
</table>
Used for Mass Verification

- Precision balance with extended resolution
- Extra decimal place for monitoring fine weight changes with heavy tare weights
- Stabilizing filter to lessen errors due to drafts or vibrations
- Auto-centering pan to avoid corner-load errors and ensure higher accuracy (optional)
- Internal calibration mass for simplified calibration of the balance
- Equipped with a glass breeze break (MC-1000/6100) or simple breeze break (MC-10K/30K) as standard
- Fast stabilization of approx. 1.5 seconds
- GLP/GMP/GCP/ISO compliant output
- Large bright vacuum fluorescent display
- Multiple weighing units of measurement

<table>
<thead>
<tr>
<th>Model</th>
<th>MC-1000</th>
<th>MC-6100</th>
<th>MC-10K</th>
<th>MC-30K</th>
</tr>
</thead>
<tbody>
<tr>
<td>Weighing capacity (g)</td>
<td>1100</td>
<td>6100</td>
<td>10.1</td>
<td>30</td>
</tr>
<tr>
<td>Minimum weighing value (g)</td>
<td>0.0001</td>
<td>0.001</td>
<td>0.001</td>
<td>0.01</td>
</tr>
<tr>
<td>Weigh Pan (mm)</td>
<td>128 x 128</td>
<td>165 x 165</td>
<td>270 x 210</td>
<td>270 x 210</td>
</tr>
<tr>
<td>Stabilisation Time</td>
<td>Approx. 1 second (on FAST setting)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Power supply</td>
<td>AC Adapter TB-S139</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Calibration</td>
<td>Internal or External Calibration</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
### AD-4212B & AD-4212C

#### Production Weighing System

For maximum efficiency of your production line

**Applications such as:**
- High-speed weighing
- High-speed check weighing
- Filling
- Isolated weighing

**High Speed - Durable**

**Compact**

**Precise Filling**

**AD-4212B Model**
- High resolution and quick stabilization times down to: 2.5 seconds for 0.1mg & 4 seconds for 0.01mg
- Standard RS-232C interface
- 5-level comparator with contact output and buzzer
- External digital inputs to trigger actions such as RE-ZERO or PRINT
- Data memory, GLP and GMP compliant
- Win CT: software tool for data acquisition from PC
- Multiple weighing units
- VFD screen for easy to read weighing results
- 2m connection cable in between sensor and indicator
- Protection against vertical or transverse shocks - patented

**AD-4212C Model**
- High resolution and quick stabilization times down to: 0.5 second up to 30 grams & 1.0 second up to maximum capacity
- Possibility to use a weighing pan of your own design for holding special objects
- Protected against vertical and transverse overloading (patent pending)
- Outputs digital weighing data directly to a panel computer, PLC, or PC via standard RS-232C interface
- Analog, comparator, and BCD outputs are also possible through the optional AD-8922A controller
- High-speed data transmission of up to 50 times/second
- IP65 dust and water-proof construction for powder or liquid weighing
- Easy calibration and response speed adjustment using WinCT-AD4212C software
- Calibration weight included
- Connection cable included (about 5 m)
- Securable to a base by replacing levelling feet with screws

#### Option

<table>
<thead>
<tr>
<th>Function</th>
<th>AD-4212B</th>
<th>AD-4212C</th>
</tr>
</thead>
<tbody>
<tr>
<td>Buzzer</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Date &amp; Time</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Memory</td>
<td></td>
<td></td>
</tr>
<tr>
<td>SmartRange</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

#### Model & Accessories

<table>
<thead>
<tr>
<th>Model &amp; Accessories</th>
<th>Capacity</th>
<th>Resolution</th>
<th>Pan Size</th>
</tr>
</thead>
<tbody>
<tr>
<td>AD-4212B-23</td>
<td>21g</td>
<td>0.001mg</td>
<td>Ø 34mm</td>
</tr>
<tr>
<td>AD-4212B-101*</td>
<td>110g/31g</td>
<td>0.1mg/0.01mg</td>
<td>Ø 34mm</td>
</tr>
<tr>
<td>AD-4212B-102</td>
<td>110g</td>
<td>0.01mg</td>
<td>Ø 34mm</td>
</tr>
<tr>
<td>AD-4212B-201</td>
<td>210g</td>
<td>0.1mg</td>
<td>50 x 50mm</td>
</tr>
<tr>
<td>AD-4212B-301</td>
<td>310g</td>
<td>0.1mg</td>
<td>50 x 50mm</td>
</tr>
<tr>
<td>AD-4212C-301*</td>
<td>51g/320g</td>
<td>0.1mg/0.01mg</td>
<td>50 x 50mm</td>
</tr>
<tr>
<td>AD-4212C-3001*</td>
<td>510g/3200g</td>
<td>1mg/10mg</td>
<td>50 x 50mm</td>
</tr>
<tr>
<td>AD-4212C-300</td>
<td>320g</td>
<td>1mg</td>
<td>50 x 50mm</td>
</tr>
<tr>
<td>AD-4212C-600</td>
<td>610g</td>
<td>1mg</td>
<td>50 x 50mm</td>
</tr>
<tr>
<td>AD-4212C-3000</td>
<td>3200g</td>
<td>10mg</td>
<td>50 x 50mm</td>
</tr>
<tr>
<td>AD-4212C-6000</td>
<td>6100g</td>
<td>10mg</td>
<td>50 x 50mm</td>
</tr>
</tbody>
</table>

*SmartRange: Retains fine precision when tare is used.
HL-WP Series

Dust & Waterproof Digital Scales

- Washable (Dust & Waterproof, IP65)
- Small-Footprint
- High Resolution (1/3000)
- Portable, AA Type Batteries, (Batteries not included)
- Clear LCD Display
- Stability Indicator
- Separate Keys for Power and Re-zon
- Auto Power Off
- AC Adapter (Option)

<table>
<thead>
<tr>
<th>Model</th>
<th>Capacity</th>
<th>Resolution</th>
<th>Pan Size</th>
</tr>
</thead>
<tbody>
<tr>
<td>HL-300WP</td>
<td>300g</td>
<td>0.1g</td>
<td>128x128mm</td>
</tr>
<tr>
<td>HL-1000WP</td>
<td>1000g</td>
<td>0.5g</td>
<td></td>
</tr>
<tr>
<td>HL-3000WP</td>
<td>3000g</td>
<td>1g</td>
<td></td>
</tr>
<tr>
<td>HL-3000LWP</td>
<td>3000g</td>
<td>1g</td>
<td>174x137mm</td>
</tr>
</tbody>
</table>

HT Series

Compact Scales

- Five models available
- Large LCD display
- Long battery life
- Multiple weighing units
- Auto power off function supplied in stackable plastic case suitable for display
- Security slot to prevent theft

<table>
<thead>
<tr>
<th>Model</th>
<th>HT-120</th>
<th>HT-300</th>
<th>HT-500</th>
<th>HT-3000</th>
<th>HT-5000</th>
</tr>
</thead>
<tbody>
<tr>
<td>Weighing capacity</td>
<td>120g</td>
<td>310g</td>
<td>510g</td>
<td>3100g</td>
<td>5100g</td>
</tr>
<tr>
<td>Minimum weighing value</td>
<td>0.01g</td>
<td>0.1g</td>
<td></td>
<td>1g</td>
<td></td>
</tr>
<tr>
<td>Power supply</td>
<td>4 AA batteries or an AC adaptor (optional)</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Pan size</td>
<td>Ø 110mm</td>
<td>132 (W) x 130 (D) mm</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Dimensions</td>
<td>195 (W) x 136 (D) x 44 (H) mm</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
Approved for Trade (NMI 6/4C/255) for 1/1000 accuracy
(Does not include SJ-5001)

- High resolution
- Fast stability time - Less than 1 second
- Large wide LCD display (25mm height)
- Durable body
- Large weighing pan 230mm x 190mm
- Full digital calibration function
- Multiple weighing units - g, lb, oz, and lb-oz
- Battery operation with 4 x D size dry batteries
- Simple and easy to change the batteries
- AC adapter included as standard
- Automatic power OFF function
- Spirit level and adjustable feet for accurate weighing
- Status indication function - Battery, Stable, Zero and Net

<table>
<thead>
<tr>
<th></th>
<th>SJ-1000HS</th>
<th>SJ-2000HS</th>
<th>SJ-5000HS</th>
<th>SJ-12KHS</th>
<th>SJ-5001HS</th>
<th>SJ-20KHS</th>
<th>SJ-30KHS</th>
</tr>
</thead>
<tbody>
<tr>
<td>Capacity</td>
<td>1000g</td>
<td>2000g</td>
<td>5000g</td>
<td>12000g</td>
<td>5000g</td>
<td>20000g</td>
<td>30000g</td>
</tr>
<tr>
<td>Resolution</td>
<td>0.5g / 1g</td>
<td>1g / 2g</td>
<td>2g / 5g</td>
<td>5g / 20g</td>
<td>1g</td>
<td>10g</td>
<td>20g</td>
</tr>
<tr>
<td>Power</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>4 x &quot;D&quot; size batteries or AC adapter</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Battery life</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Approx. 800 hours with alkaline cells at 20°C</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Pan size</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>230mm (W) x 190mm (D)</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
HJ-150 Series Compact Scale

- Compact design & light weight
- Selectable weighing unit – g or oz
- Tare function
- Battery operation
- LCD display with blue color backlight
- Calibration function with Standard calibration mass (100g)
- Protective cover
- Batteries included

<table>
<thead>
<tr>
<th>Model</th>
<th>Capacity</th>
<th>Resolution</th>
<th>Pan Size</th>
</tr>
</thead>
<tbody>
<tr>
<td>HJ-150</td>
<td>150g</td>
<td>0.1g</td>
<td>60 x 64mm</td>
</tr>
</tbody>
</table>
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Internet page: NEW ZEALAND: www.scales.co.nz

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