The GP Series industrial scales incorporate the enhanced Super Hybrid weighing sensor. The most accurate weighing results for industrial balances. With RS232, data memory, interval weighing, GLP, densitiy determination, multiple weighing modes and more

A&D Weighing

Manufature: AND Weighing
SKU: **GP-60K**
Free Ground Shipping within the 48 continental US States

Please Call (800)832-0055

Features

The AND Weighing GP Series industrial Scales incorporate the enhanced weighing sensor, Double Leveraged Super Hybrid Sensor (SHS). Building on the basic SHS features of speed and stabilization, the enhanced SHS technology brings the most accurate weighing results to industrial balances in 12kg to 101kg capacities.

- IP-65 Splash Proof Keyboard, Display and Base Units - resists dust, water and moisture
- Swing-arm display
- GLP/GMP/ISO Compliant - output data to AD-8121 printer or PC indicating date, time, balance ID, serial number and calibration data
- Balance ID Number - used to identify balance when GLP is used. ID number is stored in memory, even if the AC adapter is removed.
- PC control - control the balance by command to query for weighing data, to control the balance, to control the memory function or to control the comparator function of the balance
- Optional Underhook - ideal for density determination and for weighing magnetic substances
- Density Determination of a Solid Object
- Enlargement Indication of HI, OK, LO Symbols
- Accumulation of Weighing Results
- Time and Date - complies with GLP and interval weighing in the Data Memory function
- Auto Self Checking - automatically checks itself when setting the Automatic Adjustment Environment
- Data Memory -- format the data memory function for:
    - 200 sets of weighing data
    - 100 sets of weighing data with time and date
    - 20 sets of tare values
    - 50 sets of GLP data, time & date, calibration data, ID number and serial number
    - 50 sets of unit weight for counting mode
    - 20 sets of comparator upper and lower limits
- Interval Time Setting - weighing intervals of 2, 5, 10, 30 seconds and 1, 2, 5, 10 minutes in the Data Memory function
- Auto Re-Zero - re-zeros automatically after data input
- Large Stainless Steel Weighing Pan
- Multiple Weighing Units and Programmable Unit including animal weighing, automatic adjustable environmental settings, comparator function, ACAI counting function, percentage weighing function and capacity indicator (g, kg, lb, oz, ct, dwt, mom, tl, ms, tola and ds)
- Air Bubble Leveling - easily check the balance for level installation
- SmartRange (on GP22K and GP-102K)
- Clear and large VFD display is easy to see -- even in the dark. Wide angle view prevents mistakes.
- Built-In Internal Calibration Mass with automatic self calibration (automatically detects ambient temperature changes)
- With WinCT (Windows Communication Tools Software) - provides easy transmission of weighing data from the balance to a computer using the RS232. Quickly exports data into Windows applications.
- RS-232 interface - allows you to transfer data between a USB equipped PC and multiple GP balances. This makes your GP balance hot-swappable with no need to turn the balance(s) and computer off before disconnecting the balance.
- Display Auto Power OFF - display turns off after 10 minutes of inactivity
- Auto Power ON - turns on automatically when plugged in
- Density Determination Mode - available after changing the internal parameter settings. Once the objects weight in the air, in liquid and the liquid density are input, the solid density will be calculated (ideal for determining concretes density)
- Accumulation Model - accumulate your weighing results then display and/or output them

Specifications

- Stabilization Time: 1.5 seconds
- Display Refresh: 5 times per second / 10 times per second

- Operating Temp: 5°C ~ 40 °C (14°F ~ 104°F)
- Power: 14 VA (supplied by AC adapter)

Model with Swing Arm display type	GP-12K	GP-20K	GP-30K	GP-32K	GP-40K	GP-60K	GP-61K	GP-100K	GP-102K
Model with detached display unit	-	-	GP-30KS	GP-32KS	-	GP-60KS	GP-61KS	GP-100KS	-
	-	-			-				
Weighing Capacity	12kg	21kg	31kg	31kg/6.1kg	41kg	61kg	61kg	101kg	101kg/61kg
Resolution	0.1g	0.1g	0.1g	1g/0.1g (Smart Range)	0.5g	1g	0.1g	1g	10g/1g (Smart Range)
Repeatability (Standard Deviation)	0.1g	0.1g	0.1g	0.5g/0.1g	0.5g	0.7g	0.2g	1g	5g/1g
Linearity	±0.2g	±0.2g	±0.2g	±1g/±0.2g	±1g	±1g	±0.5g	±2g	±10g/±2g
Stabilization Time	1.5 seconds (TYP at FAST mode)								
Accuracy just calibrated by internal mass	±1.0g	±1.5g	±1.0g	±1.0g	±1.5g	±5g	±3.0g	±10g	±10g
Sensitivity Drift (10¢ªC-30¢ªC/50¢ªF-86¢ªF)	±3ppm/¢ªC	±3ppm/¢ªC	±3ppm/¢ªC	±5ppm/¢ªC	±5ppm/¢ªC	±6ppm/¢ªC	±6ppm/¢ªC	±6ppm/¢ªC	±10ppm/¢ªC
Operating Temperature	5¢ªC to 40¢ªC (41¢ªF to 104¢ªF), 85% RH or less (No condensation)								
Sensing Method	Super Hybrid Sensor (SHS)								
Display Type	Vacuum Fluorescent Display (VFD)								
Display Refresh Rates	5 times/second or 10 times/second								
Weighing Units and Modes	g, kg, lb, L OZ, OZ, ct, dwt, OZt, mom, TL, MS, tola, DS and % and counting PCS [Weighing units g, ct, and dwt are not available on GP-102K]								
Counting Mode — Minimum unit mass	0.1g	0.1g	0.1g	1g	0.5g	1g	0.1g	1g	10g
Counting Mode — Number of samples	10, 25, 50 or 100 pieces								
Percent Mode — Min. 100% reference mass	10g	10g	10g	100g	50g	100g	10g	100g	1000g
Percent Mode — Min. 100% display	0.01%, 0.1%, 1% (automatically switches depening on the reference mass stored)								
Standard Interface	RS-232C Serial Interface with Windows Communication Tools (WinCT)								
Recommended External Calibrating Weight	5kg 10kg	10kg 20kg	20kg 30kg	20kg 30kg	20kg 30kg 40kg	30kg 40kg 50kg 60kg	20kg 30kg 40kg 50kg 60kg	60kg 80kg 100kg	
Water & Dustproof Level	Complies with IP-65 (International Protect), covers the entire apparatus								
Weighing Pan	Stainless steel weighing pan (Wash down type) 384mm x 344mm							386mm x 346mm	
Calibration	Motor-driven internal calibration mass with SHS								
External Dimensions	372(W)x615(D)x130(H)mm (Note: GP-30KS is 344(W)x442(D)x130(H)mm)							373(W)x615(D)x130(H)mm (Note: GP-100KS is 346(W)x443(D)x130(H)mm)	
AC Adaptor	Please confirm that the adapter is correct for the local voltage and power receptacle.								
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Power Consumption	Approximately 14VA (supplied by AC adaptor)								
Net Weight	Approximately 17kg							Approximately 18kg	

Dimensions (mm)

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