

AD-4212B Analytical Weighing Sensor

Features	Benefits
Precise weighing of 0.01mg and 0.1mg resolution with SHS Technology	Very small amount of filling and precise weight checking applications
High speed response time with SHS Technology	Approx. 4.0 seconds for 0.01mg and 2.5 seconds for 0.1mg weighing resolution stabilization time
Stainless steel upper case	Highly resistant to chemical substances
IP54	Protection against dust and splashing water
Stainless steel breeze break	Protection from disruptive airflow for more accurate weighing
Separate weighing sensor unit and display unit	Connection of 2m length cable and optional cable of 3m allow for more flexible installations.
Compact design - Sensor unit	Small size of the sensor unit (80 x 230 x 90 mm) for easy installation into narrow space to use for multi weighing applications
Compact design - Display unit	Standard stand for simple installation and easy to install as panel or wall mounting for applications saving space
Comparator function	Five level comparator output for easy and simple filling and weight checking applications
Buzzer function	Easy to know the comparator result from beeping sounds
RS-232C interface	Easy to transmit weighing data to PC, printer and peripherals
External input functions	The RE-ZERO and PRINT key functions can be controlled by the I/O D-Sub 25 pin connector.
GLP/GMP/GCP/ISO compliant	In accordance with GLP and LIMS regulations, the balance ID number and calibration data can be printed out using A&D's AD-8121B or a PC.
Time & Date	Standard time & date function complies with GLP and interval weighing in the data memory function.
Ethernet interface	Optional Ethernet interface (OP-08) for high speed data transmission and multi weighing line applications
WinCT software	WinCT software is very useful for data transmission and WinCT-Plus for optional Ethernet interface is simple to set up.
BCD output	Optional BCD output (OP-01) is available
Auto power ON function	When the instrument is plugged in, Zero display automatically comes on, no need to press ON/OFF key.
Auto power OFF function	When the instrument is not used for more than 10 minutes, the OFF function will activate automatically.
Auto ZERO display after data output	Possible to display ZERO after weight data is output for full automatic weighing applications
Response speed setting function	Available to set three different response speeds from FAST, MID or SLOW to meet weighing requirements
Full digital calibration function	Simple and easy to calibrate the instrument to ZERO and span point by calibration mass for accurate weighing
Data memory function	Easy to store the weighing data and calibration data for data batch transmission to PC or printer
ACAI counting function	The Automatic Counting Accuracy Improvement function recalculates the average unit weight each time a sample is added to eliminate errors caused by variations in unit
Percent mode function	A sample can be registered as 100% and the weight of another sample can be compared as a percentage.
Self-check function	Easy and simple to check the performance of the instrument
"CLR" clear function	Simple and easy to return to factory settings
Bubble spirit level and adjustable levering foot	Easy to level the instrument for more accurate applications
Capacity indicator	Easy to know the capacity being weighed from 0% to 100% of wide weighing range
Multi weighing units	Many weighing units to meet any local weighing applications
Custom-design for attachment of weighing pan	Easy to design the special attachment to support containers such as ampules or cups to meet any applications
Shock absorber function	The internal shock absorber protects the mass sensor from the adverse effects of vertical or transverse overloading.