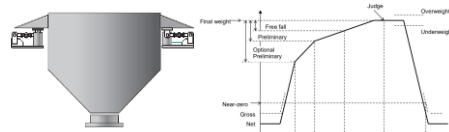


Weighing Indicator AD-4421

A&D
A&D Company, Ltd.



AD-4421 is a weighing indicator/controller for an automatic weighing process system, which helps to boost productivity and quality in filling/dosing applications.



Features

Clearly Visible LCD with White Segments

The 8-digit main display, 20-digit sub-display and 16-status display can show various data and information.



High speed AD conversion of 1200 times/s and High Performance Digital Filter (HPDF)

Enables high speed, high accuracy weighing.



HPDF

Panel mount - 144 x 72, IP65

Memory for 100 comparison groups

100 different comparison groups can be saved in memory and selected with the front keys or interface.

Back up configurations to PC via built-in USB (Type C)

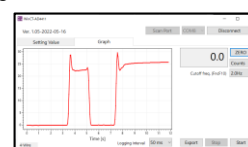
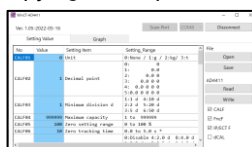
Configuration changes, backup, and monitoring can be performed directly from a PC via USB.



Built-in RS-485 interface (Modbus-RTU support)

WinCT-AD4421

A free Windows application that allows setting changes, copying, backup, and monitoring of the AD-4421.



Weighing Indicator

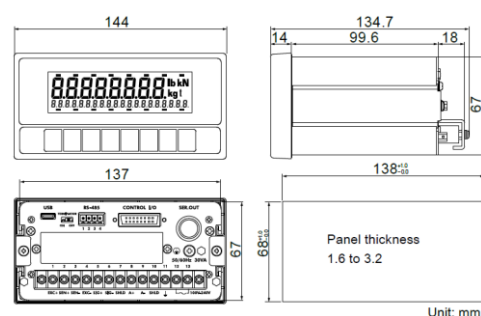
AD-4421



Specifications

Dimension	144 (W) x 72 (H) x 134.7 (D) mm
Operating temperature and humidity range	-10 to 40°C Less than 85% RH, non-condensing
IP rating	When the indicator is secured to the control panel - Outside of the control panel: IP65 Inside of the control panel: IP2X
Power supply	
Power supply voltage	100 to 240 VAC +10% -15% 50/60 Hz $\pm$ 5%
Maximum apparent power	30 VA
Rush current	AC 115 V: 25 A or less, AC 230 V: 45 A or less
Fuse	Internal (Not user replaceable)
Load cell input	
Excitation voltage	5 VDC $\pm$ 5% 120 mA Up to eight 350 Ω load cells can be connected in parallel. 6-wire type with remote sensing
Signal input range	-7.0 to 7.0 mV/V
Minimum input sensitivity	0.15 μ V/d or more (d = minimum division)
Nonlinearity	0.005% of F.S. Max.
Temperature coefficient	Zero drift: $\pm$ 0.02 μ V/°C Typ. $\pm$ 0.1 μ V/°C Max. Span drift: $\pm$ 3 ppm/°C Typ. $\pm$ 15 ppm/°C Max.
Sampling rate	1200 times/s
Display	
Main display	Segment LCD, character height 14.5 mm, 8 digits
Sub display	Segment LCD, character height 5 mm, 20 digits
Unit	g, kg, t, lb, N, kN or none (selectable)
Status display	16
Key switches	8
Standard interface	
Control I/O	Non-voltage contact input: 6 points NPN open collector output: 8 points
Standard serial output	Current loop output
RS-485	2-wire RS-485
USB	USB 2.0 (Full-speed), Virtual COM Port

External dimensions



Options

AD-4421-01: BCD output
AD-4421-03: RS-422/485 interface
AD-4421-04: RS-232C interface
AD-4421-07: Analog output
(4-20 mA/ 0-10 V)
AD-4421-23: MODBUS-TCP interface

NOTE)

A dedicated slot is available only for analog 4-20 mA / 0-10V output.
Among other option boards, only one can be installed.



Discover Precision

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