Weighing Indicator / Transmitter

AD-4411 Series

A&D Company, Ltd.

High-Speed, High-Precision Measurement for Every Industrial Scene

HOUSING

DIN Rail Mount



Panel Mount



INTERFACE

- EtherNet/IP
- PROFINET
- EtherCAT
- CC-Link
- BCD output
- RS-485/Modbus RTU
- RS-232
- Analog output

The AD-4411 is a weighing indicator/transmitter that converts signals from load cells with high speed and precision, enabling connection to PLCs.
It supports efficient system construction by integrating weighing instruments into industrial control systems in factories and plants.

Weight Transmitter
AD-4411 Series

A&D Company, Ltd.

The AD-4411 reliably and efficiently supports your “weighing" needs.

High-Speed, High-Accuracy Weighing for Improved Productivity

High speed AD conversion of 1200 times/s
Enables high speed, high accuracy weighing.

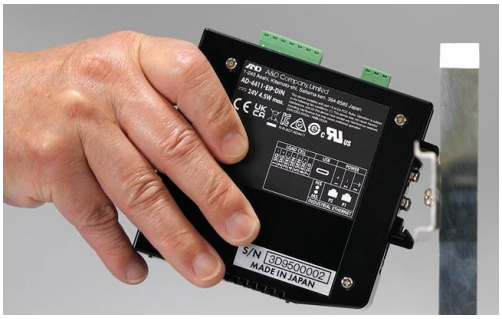
Equipped with HPDF (High Performance Digital Filter)
Significantly reduces the cost and maintenance of anti-vibration equipment by effectively handling vibrations without extensive mechanical countermeasures, ensuring stable and accurate weighing on production lines.



Easy and Tool-Free Installation

Tool-free mounting for both panel mount and DIN rail mount types
Unlike conventional indicators that require a screwdriver, the AD-4411 models can be easily installed without screws. The DIN rail type features a uniquely engineered slide-hook mechanism

Flexible load cell connection
Built-in jumper enables software-based switching between 4-wire and 6-wire load cell connections, reducing installation effort.


Original slide-hook design for easy mounting (DIN rail mount type)

Easy Setup and Maintenance for Smooth Introduction and Operation

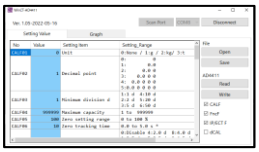
Easy setting updates from a PC
Settings can be easily modified from a PC via the rear USB Type-C port and dedicated software (WinCT-AD4411).

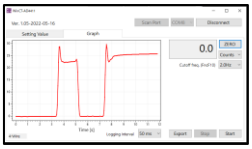
Backup and copy settings
Save settings to a PC and easily export them to other units, greatly streamlining setup for multiple device installations.

Real-time waveform monitoring
Monitor measured values graphically in real-time to visually understand the effects of the digital filter and other parameters.



WinCT-AD4411
A free Windows application that allows setting changes, copying, backup, and monitoring of the AD-4411.





Weight Transmitter
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Wide Lineup

Multiple models available to meet diverse market demands and system requirements.

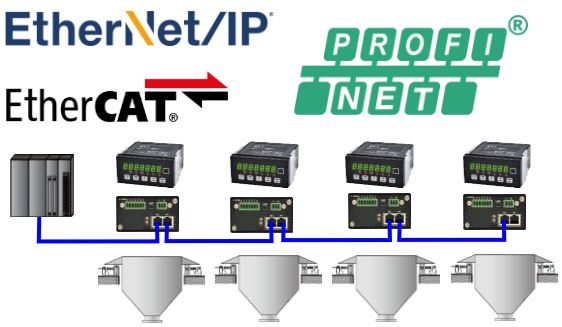
Mounting Options:
Supports both panel mount and DIN rail mount configurations for flexible installation.

Interface Variants:
Available with a range of communication interfaces including:
Industrial Ethernet: EtherNet/IP, PROFINET, EtherCAT
Conventional Interfaces: BCD output, RS-232C, RS-485/Modbus RTU, analog output, CC-Link

		Mount Type	
		Panel Mount	DIN-rail Mount
Interface	EtherNet/IP	AD-4411-EIP	AD-4411-EIP-DIN
	PROFINET	AD-4411-PRT	AD-4411-PRT-DIN
	EtherCAT	AD-4411-ECT	AD-4411-ECT-DIN
	BCD output	AD-4411-BCD	-
	RS-232C	AD-4411-232	-
	RS-485/ Modbus RTU	AD-4411-485	-
	Analog output	AD-4411-DAC	-
	CC-Link	AD-4411-CCL	

Panel Mount & Industrial Ethernet-Compatible Models

- **Model Names:** AD-4411-EIP (EtherNet/IP)
  AD-4411-PRT (PROFINET)
  AD-4411-ECT (EtherCAT)
- **Features:**
  - Industrial Ethernet Support: EtherNet/IP, PROFINET, and EtherCAT
  - Daisy Chain Connection: Two communication ports enable daisy chain connection without a switching hub



DIN Rail Mount & Industrial Ethernet-Compatible Models

- **Model Names:** AD-4411-EIP-DIN (EtherNet/IP)
  AD-4411-PRT-DIN (PROFINET)
  AD-4411-ECT-DIN (EtherCAT)
- **Features:**
  - Industrial Ethernet Support: EtherNet/IP, PROFINET, and EtherCAT
  - Daisy Chain Connection: Two communication ports enable daisy chain connection without a switching hub
  - DIN Rail Installation: Uniquely engineered slide-hook mechanism allows for one-handed installation
  - Dedicated to Signal Conversion: Ideal for use solely as a load cell transmitter, not as a weighing indicator



Panel Mount & Conventional Communication Interface-Compatible Models

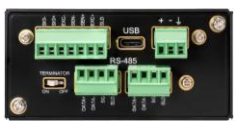
- **Model Names:** AD-4411-BCD
  AD-4411-232
  AD-4411-485
  AD-4411-DAC
  AD-4411-CCL
- **Features:**
  - Compatibility with Existing Systems: Supports conventional interfaces such as BCD, RS-232C, RS-485/Modbus RTU, analog output (4–20 mA / 0–10 V), and CC-Link



AD-4411-BCD



AD-4411-232



AD-4411-485



AD-4411-DAC



AD-4411-CCL

Weight Transmitter
AD-4411 Series

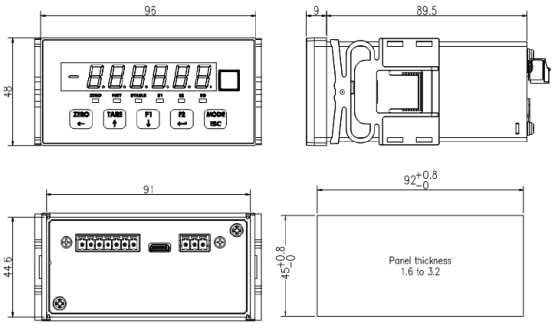
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Specifications

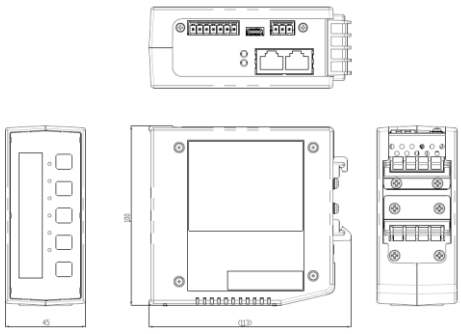
Housing type		Panel mount type (AD-4411-xxx)		DIN rail mount type (AD-4411-xxx-DIN)	
Dimensions		96 (W) x 48 (H) x 98.5 (D) mm		45 (W) x 100 (H) x 113 (D) mm	
Operating temperature and humidity range		-10 to 40 °C Less than 85 % RH, non-condensing			
IP rating		Outside of the control panel: IP65 Inside of the control panel: IP2X		IP2X	
Power supply	Power supply voltage	24 VDC -15% to +10%			
	Power consumption	4.5 W max			
Load cell input	Excitation voltage	5 VDC ±5% 90 mA Up to six 350 Ω load cells can be connected in parallel. 6-wire type with remote sensing			
	Signal input range	-7.0 mV/V to 7.0 mV/V			
	Minimum input sensitivity	0.15 μV/d or more (d=minimum division)			
	Nonlinearity	0.005 % of F.S. max.			
	Temperature coefficient	Zero drift: ±0.02 μV/°C Typ. ±0.1 μV/°C max. Span drift: ±3 ppm/°C Typ. ±15 ppm/°C max.			
	Sampling rate	1200 times/s			
Display	Main display	7-digit LED (green) with character height of 10 mm			
	Status display	LED (red) x 6			
	Unit	Attach the g / kg / t label		-	
Key switches		x 5			
Interface		EtherNet/IP PROFINET EtherCAT BCD output RS-485 2W/ Modbus RTU RS-232C Analog output CC-Link	(AD-4411-EIP) (AD-4411-PRT) (AD-4411-ECT) (AD-4411-BCD) (AD-4411-485) (AD-4411-232) (AD-4411-DAC) (AD-4411-CCL)	EtherNet/IP PROFINET EtherCAT	(AD-4411-EIP-DIN) (AD-4411-PRT-DIN) (AD-4411-ECT-DIN)
Maintenance interface		USB Type C Backup and logging via free PC app (WinCT-AD4411)			

Drawings

Panel mount type



DIN rail mount type



A&D Weighing

Discover Precision

A&D Company, Ltd. (JAPAN)
URL: aandd.jp

A&D Engineering, Inc. (USA)
URL: andonline.com

A&D Australasia Pty Ltd. (Australia)
URL: andaustralasia.com.au

A&D Instruments Ltd. (United Kingdom)
URL: andprecision.com

A&D Korea Ltd. (South Korea)
URL: andk.co.kr

A&D Rus Co., Ltd. (Russia)
URL: and-rus.ru

A&D Instruments India (P) Ltd. (India)
URL: aanddindia.in

A&D Scientech Taiwan Ltd. (Taiwan)
URL: aandd.com.tw

A&D Instruments Thailand Ltd. (Thailand)
URL: thai.andprecision.com

A&D Technology Trading (Shanghai) Co., Ltd. (China)
URL: aanddtech.cn

NOTE: Appearance and specifications are subject to change for improvement without notice.