

# Weighing Indicators for Ethernet based Field Networks

## AD-4411 series



AD-4411-EIP (EtherNet/IP)

**EtherNet/IP**

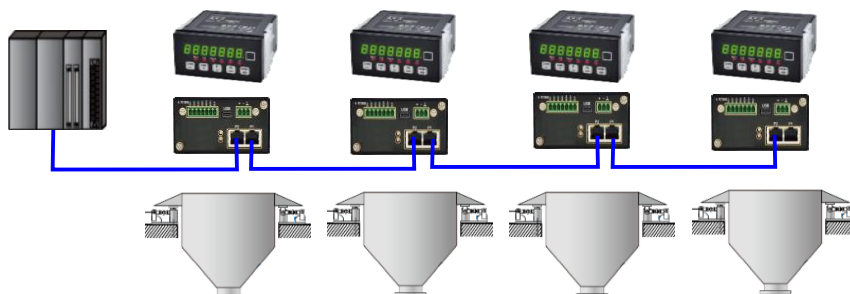
AD-4411-PRT (PROFINET)

**PROFINET**

AD-4411-ECT (EtherCAT)

**EtherCAT**

Daisy-chain connection is possible without a switching hub thanks to two communication ports,

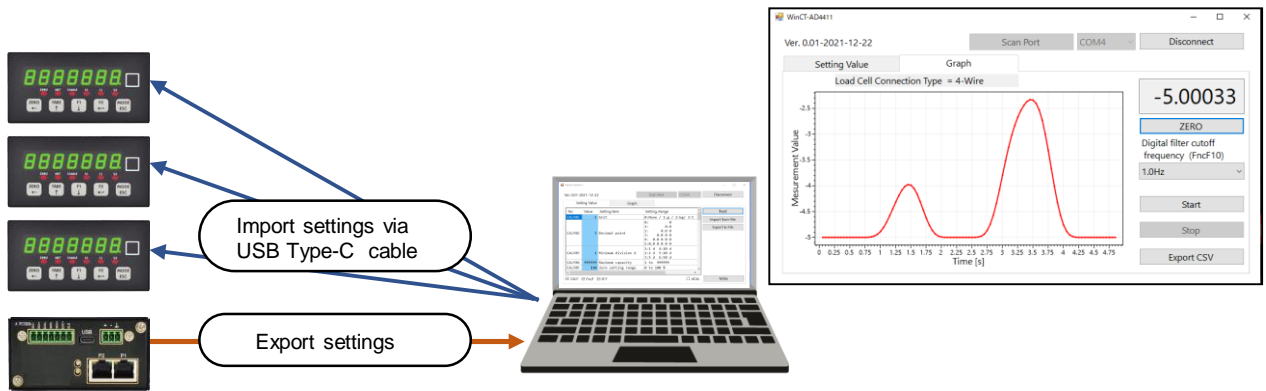


- ◆ High speed A/D signal conversion, 1200 times/s
- ◆ HPDF - High Performance Digital Filter  
Greatly reduces the cost and maintenance of anti-vibration equipment since it handles vibrations without requiring extensive mechanical vibration countermeasures.
- ◆ Rear USB port for easier update of Weighing Indicator settings.  
Weighing Indicator settings can be easily updated from a PC via the rear USB port.
- ◆ DIN 96 x 48 compact size
- ◆ Easy load cell connection type setting (4/6 wires)  
Saves time spent on connecting load cells.

**Discover Precision**

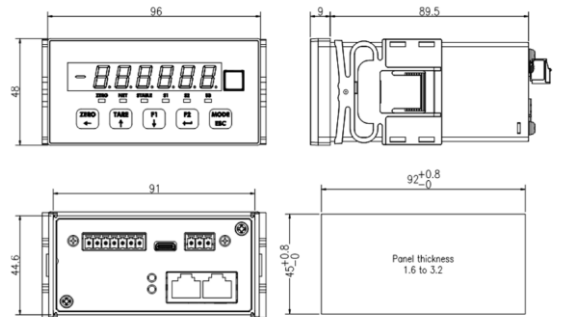
# Settings can be updated from PC via USB port using our freely available software.

- Can import/save internal settings to PC, and then export the same settings to other units.
- Monitors measured values and check the effect of HPDF as a graph in real time.



Specifications							
Input sensitivity	0.15 $\mu$ V/d or more (d= Minimum division)						
Zero adjustment range	-35mV ~ +35mV						
Load cell excitation	DC5V, Remote Sensing (upto 6 load cells at 350 $\Omega$ /load cell)						
Zero temp. coefficient	+/- 0.02 $\mu$ V/ $^{\circ}$ C(Typ.), +/- 0.1 $\mu$ V/ $^{\circ}$ C(Max.)						
Span temp. coefficient	+/-3ppm/ $^{\circ}$ C(Typ.), +/- 15ppm/ $^{\circ}$ C(Max.)						
Nonlinearity	0.005% of F.S.						
Maximum measurement voltage	35mV						
A/D conversion method	Delta Sigma						
A/D resolution	16,000,000						
Maximum display resolution	+/- 999,999d						
A/D conversion rate	1,200 times/sec.						
Display	<table border="0"> <tr> <td>Main display</td> <td>7-digit LED(Green) with character height 10mm Gross/Net</td> </tr> <tr> <td>Status display</td> <td>LED(Red) X 6</td> </tr> <tr> <td>Unit</td> <td>Attching g/kg/t label</td> </tr> </table>	Main display	7-digit LED(Green) with character height 10mm Gross/Net	Status display	LED(Red) X 6	Unit	Attching g/kg/t label
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External interface	<table border="0"> <tr> <td>Field network</td> <td>AD-4411-EIP EtherNet/IP AD-4411-PRT PROFINET AD-4411-ECT Ether CAT</td> </tr> <tr> <td>(USB)</td> <td>For Maintenance Type-C connector, USB 2.0 (Full-speed)</td> </tr> </table>	Field network	AD-4411-EIP EtherNet/IP AD-4411-PRT PROFINET AD-4411-ECT Ether CAT	(USB)	For Maintenance Type-C connector, USB 2.0 (Full-speed)		
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(USB)	For Maintenance Type-C connector, USB 2.0 (Full-speed)						
Power supply Voltage	DC24V -15% to +10%						
Power consumption	4.5W Max						
Operating temp. and humidity range	-10~+40 $^{\circ}$ C Less than 85%RH, non-condensing)						
Dimension	96(W)X48(H)X98.5(D)mm						
Weight	220g approx.						

## External dimension



Unit mm



## 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: andaustrialasia.com.au  
A&D Instruments Ltd. (United Kingdom)  
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URL: aandd.com.tw  
A&D Instruments Thailand Ltd. (Thailand)  
URL: thai.andprecision.com

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

\*AD4411-ADCT-00-AD2-235000