NEW

Weighing Indicators

AD-4405A/4406A/4407A

New and improved!

Easy to build a Weighing System to your own specifications using the featured Weighing Indicators

AD-4407A

AD-4405A

AD-4406A

ISO 9000 CERTIFIED

A&D Company, Limited
http://www.aandd.jp

...Clearly a Better Value

A multitude of Weighing System applic
achieved with A&D's featured Weighin

AD-4405A

Built-in Printer as optional add-on for your weighing data recording

- Bright green VFD 20mm (height) display
- Optional dot matrix compact printer
- 10 keys for preset tare and unit weight setting, etc.
- Counting function
- Standard RS-232C

Rear panel

With optional built-in printer

AD-4406A

Expand your weighing applications by Battery operation

- High cost-effectiveness
- Big LCD 25mm (height) display
- Multi power supply
  Alkaline C type battery:
  Battery life 180 hours (LC 350Ω × 1)
  Battery life 70 hours (LC 350Ω × 4)
  Optional AC adapter
- F1, F2 selectable function keys
- Optional RS-232C
- Load cell 350Ω × 4
- Optional stand available

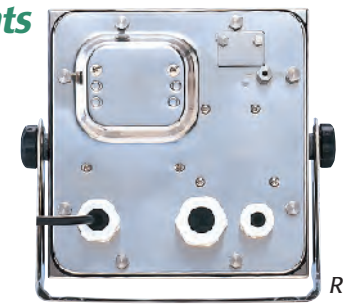
Rear panel

With optional stand

AD-4407A

Stainless Steel Enclosure to meet IP65 Dust & Waterproof standards for weighing applications in demanding environments

- Bright green VFD 20mm (height) display
- Bracket standard
- 10 keys for preset tare and unit weight setting, etc.
- Counting function
- Standard RS-232C



Rear panel

With standard stand

ations can be
g Indicators

Common Features

- **Universal Flexi Coms**

UFC allows you to customize the protocol of the printing format as well as outputting data with RS-232C

- **Multi interval**

2 weighing ranges selectable

- **Accumulation function**

Accumulative data is stored into memory automatically or manually

- **Comparator function Upper/Lower, HiHi/Hi/OK/Lo/LoLo & comparison**

Comparator output to optional relays

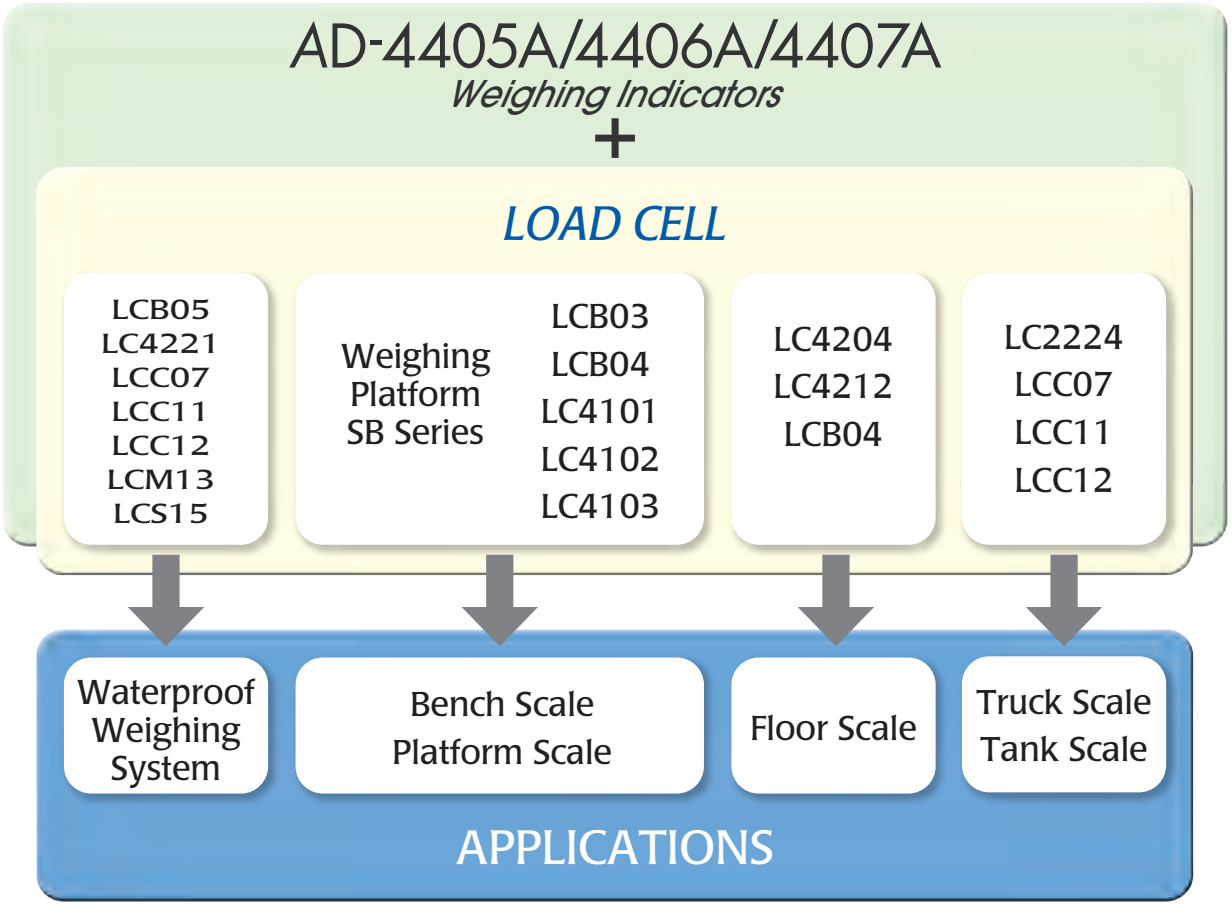
- **Simple batch weighing**

Automatic batching and customer programming capability

- **Buzzer function**
- **Code memory function**

APPLICATIONS with LOAD CELL

You can use our load cells as a load sensor to build your own desktop, bench, floor or truck scales as per your preferences.



AD-4405A/4406A/4407A

Weighing Indicators

Specifications

	AD-4405A	AD-4406A	AD-4407A
Input Sensitivity	0.15μV/d		
Input Signal Range	−35mV to +35mV		
Load Cell Excitation	DC 5V±5% 60mA, remote sensing (Up to 4 load cells at 350Ω/load cell)		DC 5V±5% 120mA, remote sensing (Up to 8 load cells at 350Ω/load cell)
Zero Temperature Coefficient	±0.02μV/°C typ. ±0.1μV/°C max.		
Span Temperature Coefficient	±3ppm/°C typ. ±15ppm/°C max.		
Non-Linearity	0.005% of full scale		
Input Noise	0.15μVp-p typ.		
Input Impedance	10MΩ or more		
A/D Conversion Method	Delta Sigma		
A/D Resolution	16,000,000 counts		
Maximum Display Resolution	20,000 (permissible 40,000)		
A/D Conversion Rate	10 times/sec.		
Main Display	7-segment, 20mm(H) VFD	7-segment, 25mm(H) LCD	7-segment, 20mm(H) VFD
Power	AC 100/120/200/230V −15~+10% (50/60Hz)	7 to 10V DC AC adaptor or C battery × 6	AC 100/120/200/230V −15~+10% (50/60Hz)
Consumption	20VA	Less than 10VA	20VA
Battery Life (Alkaline Battery)	–	180H (1 load cell) 70H (4 load cells)	–
Operating Temperature	−10 to +40°C (14°F to 104°F)		
Operating Humidity	Less than 85% RH (non-condensing)		
Physical Dimensions	275(W) × 111(H) × 159(D) mm 10.83(W) × 4.37(H) × 6.26(D) inches	192(W) × 96(H) × 87(D) mm 7.56(W) × 3.78(H) × 3.43(D) inches	199(W) × 206(H) × 80(D) mm 7.83(W) × 8.11(H) × 3.15(D) inches
Net Weight	Approximately 1300g / 2.87 lb	Approximately 650g / 1.43 lb	Approximately 2700g / 5.95 lb

Options

AD-4405-03 ——— RS-422/485 and 3 Relay Outputs
AD-4405-05 ——— RS-232C, 3 Relay Outputs and 3 Control Inputs
AD-4405-06 ——— Built-in Printer
AD-4405-07 ——— Analog Output (4-20mA)
AD-4405-08 ——— RS-232C, Current Loop Output, 3 Relay Outputs and 1 Control Input

AD-4406-03 ——— RS-422/485 and 3 Relay Outputs
AD-4406-04 ——— RS-232C
AD-4406-05 ——— RS-232C, 3 Relay Outputs and 3 Control Inputs
AD-4406-07 ——— Analog Output (4-20mA)
AD-4406-08 ——— RS-232C, Current Loop Output, 3 Relay Outputs and 1 Control Input
AD-4406-11 ——— Display Stand

AD-4407-03 ——— RS-422/485 and 3 Relay Outputs
AD-4407-05 ——— RS-232C, 3 Relay Outputs and 3 Control Inputs
AD-4407-07 ——— Analog Output (4-20mA)
AD-4407-08 ——— RS-232C, Current Loop Output, 3 Relay Outputs and 1 Control Input

Accessories

AD-8118C ——— Universal Printer
AD-8121B ——— Dot Matrix Compact Printer
AD-4379SUS ——— Summing Box (4 points)
AD-4380 ——— Junction Box
AD-4382 ——— Summing Box (2 points)

Appearance and/or specifications subject to change for improvement without notice.

…Clearly a Better Value

A&D Company, Limited
3-23-14 Higashi-Ikebukuro, Toshima-ku, Tokyo 170-0013 JAPAN
Telephone: [81] (3) 5391-6132 Fax: [81] (3) 5391-6148
http://www.aandd.jp

A&D Engineering, Inc.
1756 Automation Parkway, San Jose, CA 95131 U.S.A.
Telephone: [1] (408) 263-5333 Fax: [1] (408) 263-0119

A&D Australasia Pty Ltd.
32 Dew Street, Thebarton, South Australia 5031 AUSTRALIA
Telephone: [61] (8) 8301-8100 Fax: [61] (8) 8352-7409

A&D Instruments Ltd.
Unit 24/26 Blacklands Way Abingdon Business Park, Abingdon, Oxon OX14 1DY UNITED KINGDOM
Telephone: [44] (1235) 550420 Fax: [44] (1235) 550485

〈**German Sales Office**〉
Hamburger Straße 30 D-22926 Ahrensburg, GERMANY
Telephone: [49] (0) 4102 459230 Fax: [49] (0) 4102 459231

A&D Korea Limited
817, Manhattan Bldg., 33, Gukjegeumyung-ro 6-gil, Yeongdeungpo-gu, Seoul, 150-749, KOREA
Telephone: [82] (2) 780-4101 Fax: [82] (2) 782-4280

A&D RUS Co., Ltd.
Vereyskaya str.17, Moscow, 121357 RUSSIA
Telephone: [7] (495) 937-33-44 Fax: [7] (495) 937-55-66

A&D Instruments India Private Limited
509 Udyog Vihar Phase V Gurgaon-122 016, Haryana, INDIA
Telephone: [91] (124) 471-5555 Fax: [91] (124) 471-5599

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