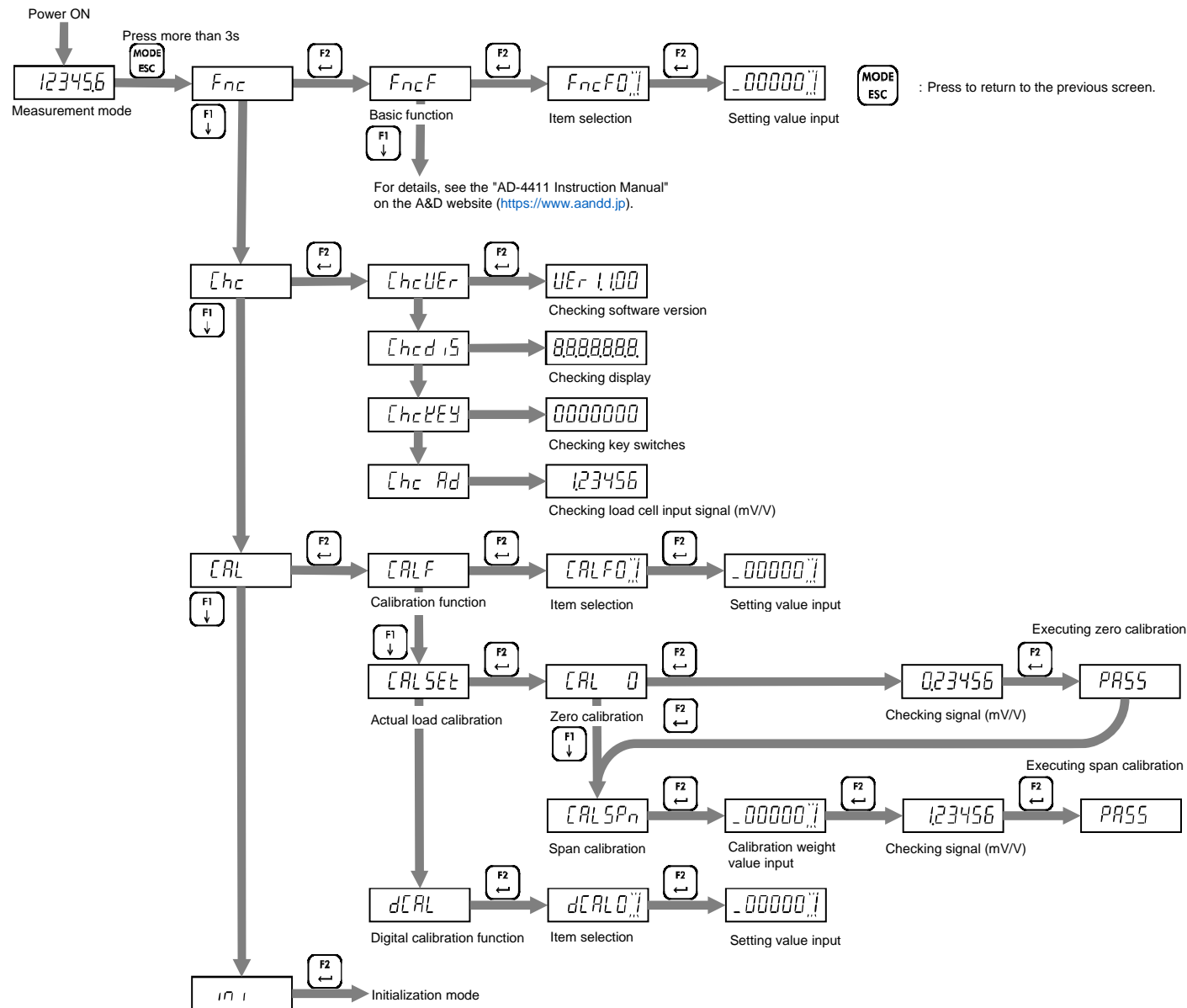




## Operation mode



## Function list

### Calibration function list

CALF	Setting item	Setting value	Default
01	Unit	0: None / 1: g / 2: kg / 3: t	2
02	Decimal point position	0: 0 (No decimal point) / 1: 0.0 / 2: 0.00 / 3: 0.000 / 4: 0.0000 / 5: 0.00000	0
03	Minimum division d	1: 1 d / 2: 2 d / 3: 5 d / 4: 10 d / 5: 20 d / 6: 50 d	1
04	Maximum capacity	1 to 999999	999999
05	Zero setting range	0 to 100 %	100
06	Zero tracking time	0.0 to 5.0 s	0.0
07	Zero tracking width	0: Disable / 1: 0.5 d / 2: 1.0 d / 3: 1.5 d / 4: 2.0 d / 5: 2.5 d / 6: 3.0 d / 7: 3.5 d / 8: 4.0 d / 9: 4.5 d	0
08	Stability detection time	0.0 to 9.9 s	1.0
09	Stability detection width	0 to 100 d	2
10	Zero-setting when unstable	0: Disable / 1: Enable	1
11	Taring when unstable	0: Disable / 1: Enable	1
12	Taring when the gross is negative	0: Disable / 1: Enable	1
13	Zero clear	0: Disable / 1: Enable	1
14	Power-on zero	0: Disable / 1: Enable	0
15	Condition of negative overload	0: Gross < -(Maximum capacity + 8d) / 1: Gross < -19d	0
16	NTEP	0: Disable / 1: Enable	0
17	Load cell connection type	0: 4-wire type / 1: 6-wire type	1

### Digital calibration function list

dCAL	Setting item	Setting value	Default
01	Load cell input signal at Zero Calibration	-7.00000 to 7.00000 mV/V	0.00000
02	Load cell input signal (at Span Calibration - at Zero Calibration)	0.00001 to 7.00000 mV/V	2.00000
03	Weight value at Span Calibration	1 to 999999	20000

### Basic function list

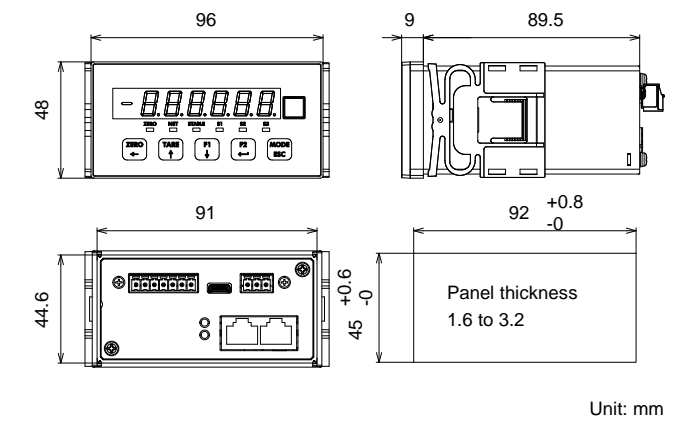
FncF	Setting item	Setting value	Default
01	Locking [ZERO/←] key	0: Disable / 1: Enable	0
02	Locking [TARE/↑] key	0: Disable / 1: Enable	0
03	Locking [F1/↓] key	0: Disable / 1: Enable	0
04	Locking [F2/←] key	0: Disable / 1: Enable	0
05	Function of [F1/↓] key	0: None / 1: Tare clear / 2: Zero clear / 3: Gross / net display selection / 4: High-resolution display selection	0
06	Function of [F2/←] key	0: None / 1: Hi / 2: OK / 3: Lo / 4: Zero setting error / 5: Taring error / 6: High resolution display	0
07	Condition to turn S1 status ON	0: None / 1: Hi / 2: OK / 3: Lo /	0
08	Condition to turn S2 status ON	4: Zero setting error / 5: Taring error /	0
09	Condition to turn S3 status ON	6: High resolution display	0
10	Digital filter cut-off frequency [Hz]	0: 273.0 12: 20.0 24: 2.8 36: 0.40 1: 120.0 13: 17.0 25: 2.4 37: 0.34 2: 100.0 14: 14.0 26: 2.0 38: 0.28 3: 84.0 15: 12.0 27: 1.7 39: 0.24 4: 70.0 16: 10.0 28: 1.4 40: 0.20 5: 68.0 17: 8.4 29: 1.2 41: 0.17 6: 56.0 18: 7.0 30: 1.0 42: 0.14 7: 48.0 19: 6.8 31: 0.84 43: 0.12 8: 40.0 20: 5.6 32: 0.70 44: 0.10 9: 34.0 21: 4.8 33: 0.68 45: 0.08 10: 28.0 22: 4.0 34: 0.56 46: 0.07 11: 24.0 23: 3.4 35: 0.48	30
11	Upper limit value	-999999 to 999999	10
12	Lower limit value	-999999 to 999999	-10
13	Comparison target for Upper limit value / Lower limit value	1: Gross / 2: Net	1

For functions other than those listed above, see the "AD-4411 Instruction Manual" on the A&D website (<https://www.aandd.jp>).

## Specifications

Dimension	96(W) x 48(H) x 98.5(D) mm
Installation method	Panel mount
Operating temperature and humidity range	-10°C to +40°C Less than 85%RH, non-condensing
IP rating	(When the indicator is installed to the control panel) Front panel: IP65. Inside the panel: IP2X
Power supply	DC24V -15% to +10%, 4.5W max.
Load cell input	DC5V ±5% 90 mA
Excitation voltage	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 / second
Display	
Main display	7-digit LED (green) with a character height of 10 mm
Status display	LED (red) x 6
Unit	Attach a label of g / kg / t
Key switches	x 5
External interface	
AD-4411-EIP	EtherNet/IP
AD-4411-PRT	PROFINET
AD-4411-ECT	EtherCAT
USB	Type-C connector, USB 2.0 (Full-speed)

### External dimension



FCC - Supplier's Declaration of Conformity  
47 CFR § 2.1077 Compliance Information  
Model: AD-4411  
Responsible Party: A&D ENGINEERING, INC.  
Address: 4622 Runway Boulevard Ann Arbor, MI 48108, U.S.A.  
Tel: [1] (888) 726-5931  
This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.