

DIGITAL WEIGHING INDICATOR

# FS-1200A



FINE INTERKOREA CORP.

# FS-1200A



Come in useful to the SIMPLE CONTROLLER for Hopper scale and Strain/compression tester.

## ■ SPECIFICATIONS

### ■ ANALOG INPUT AND A/D CONVERSION

LOAD CELL EXCITATION	10VDC $\pm$ 5%, 320mA
INPUT SENSITIVITY	0.2 $\mu$ V/D
ZERO ADJUSTMENT RANGE	-4mV ~ +42.0mV : COMBINATIONS OF 6BIT DIP SWITCH
INPUT VOLTAGE	Max. 32mV
INPUT IMPEDANCE	10M $\Omega$ (MIN.)
INPUT NOISE	*0.5 $\mu$ V p.p or LESS
A/D CONVERTER	TYPE: DUAL SLOPE TYPE RESOLUTION: 1/130,000 COUNTS(17Bit) CONVERTING SPEED : 20TIMES/ SEC
NON-LINEARITY	0.008% OF FULL SCALE
TEMPERATURE-DRIFT	ZERO $\pm$ 20 PPM / $^{\circ}$ C SPAN $\pm$ 20 PPM / $^{\circ}$ C
OVERLOAD TOLERANCE	*10%OF FULL CAPACITY
DISPLAY UPDATE RATE	20 TIMES/SEC

### ■ DIGITAL SECTION

DISPLAY UNIT	13mm(1/2"), 7DIGITS HIGHLY BRIGHT FLUORESCENT TUBE
ANNUNCIATORS	STEADY, ZERO, TARE, GROSS, HOLD, LOW, HIGH
DECIMAL POINT POSITION	0, 0.0, 0.00, 0.000
KEYBOARD	TEN KEY, ZERO, TARE, GROSS/NET, PART LOW, HIGH, FALL, F1, F2, F3, COUNT, TOTAL, HOLD, CLEAR, PRINT, SET/CAL
EXTERNAL INPUT SIGNAL	OPTICAL-ISOLATOR, 4 INPUT
MIN. DIVISION	x1, x2, x5, x10, x20, x50
MAX. DISPLAY	1,000,000
REAR PANEL	LOAD CELL INPUT : 5 PIN CONNECTOR REMOTE CONTROL: 4 INPUT RELAY OUTPUT : 4 OUTPUT

### ■ GENERAL

DATA MEMORY BACK-UP	APPR. 10 YEARS
POWER	100/110/120/220/240VAC, $\pm$ 10%, 50/60Hz (FACTORY PRESET)
POWER CONSUMPTION	APPR. 10W
OPERATING CONDITION	TEMPERATURE : -10 $^{\circ}$ C ~ +40 $^{\circ}$ C (+14 $^{\circ}$ F ~ +104 $^{\circ}$ F) HUMIDITY : 85% Rh Max. (NON-CONDENSING)
NET WEIGHT	2.3kg
GROSS WEIGHT	3.3kg
PHYSICAL DIMENSIONS	182(W)x 160(D)x 96(H)mm 7.56(W)x 6.3(D)x 3.78(H)inch
FUSE	250V/ 0.3A

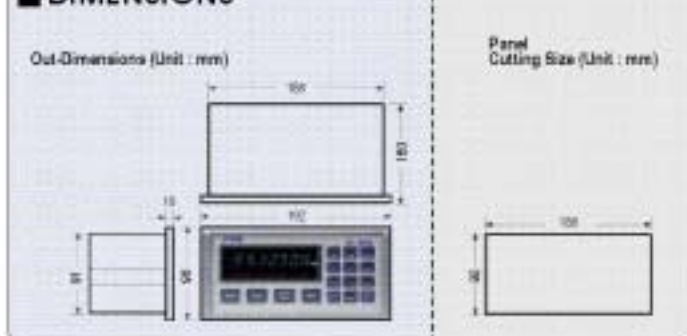
### ■ OPTION

OP1 : RS-232C	OP5 : ANALOG OUT (0~10V)
OP2 : CURRENT LOOP	OP6 : ANALOG OUT (4~20mA)
OP3 : BCD DATA OUT	OP7 : PRINTER I/F
OP4 : RS-422	(CENTRONICS PARALLEL I/F)

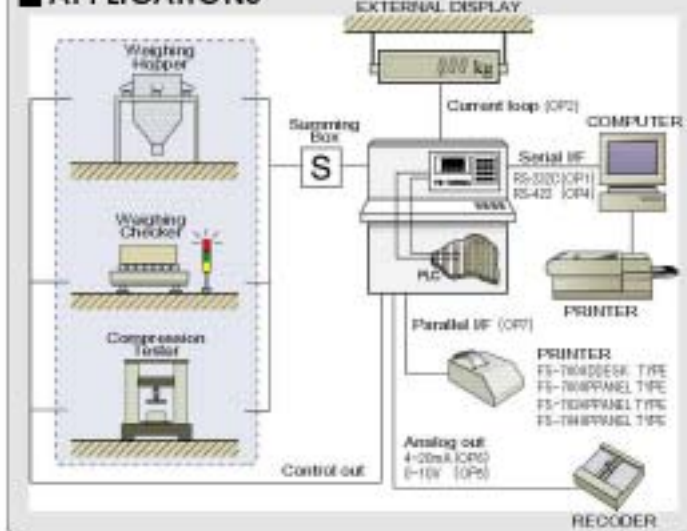
## ■ FEATURES

- Control for packer, hopper, checker, limit scale, strain/compression tester, etc.,
- Table or panel mounting available. DIN Standard
- Auto span calibration.
- Watch-dog function installed for diagnostics.
- Shielded by aluminum case for the immunity against all forms of radio frequency interference and the susceptibility.
- Wide range of capacity and division can be easily set by keyboard.
- Button tare, Digital tare, Auto tare.
- Weight memory back-up for up to 10years.
- Peak-hold and sample-hold function.
- High and low can be set by numeric key.
- Fall setting available by 2step control.
- AUTO FALL COMPENSATION
- RESPONSE SETTING SYSTEM
- 4 Control relay built-in(HIGH, LOW, FINISH, ZERO/EMPTY)
- Weighing operation count can be displayed by function key(COUNT key).
- The external field switch can be directly connected to 5pin terminal located at the rear panel for the remote control of some keyboard functions(NET/GROSS, PRINT, TARE/HOLD, ZERO)
- Can drive up to 8pcs of load cells( 350 $\Omega$  ).

## ■ DIMENSIONS



## ■ APPLICATIONS



\* Specifications subject to change for improvement without prior notice

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