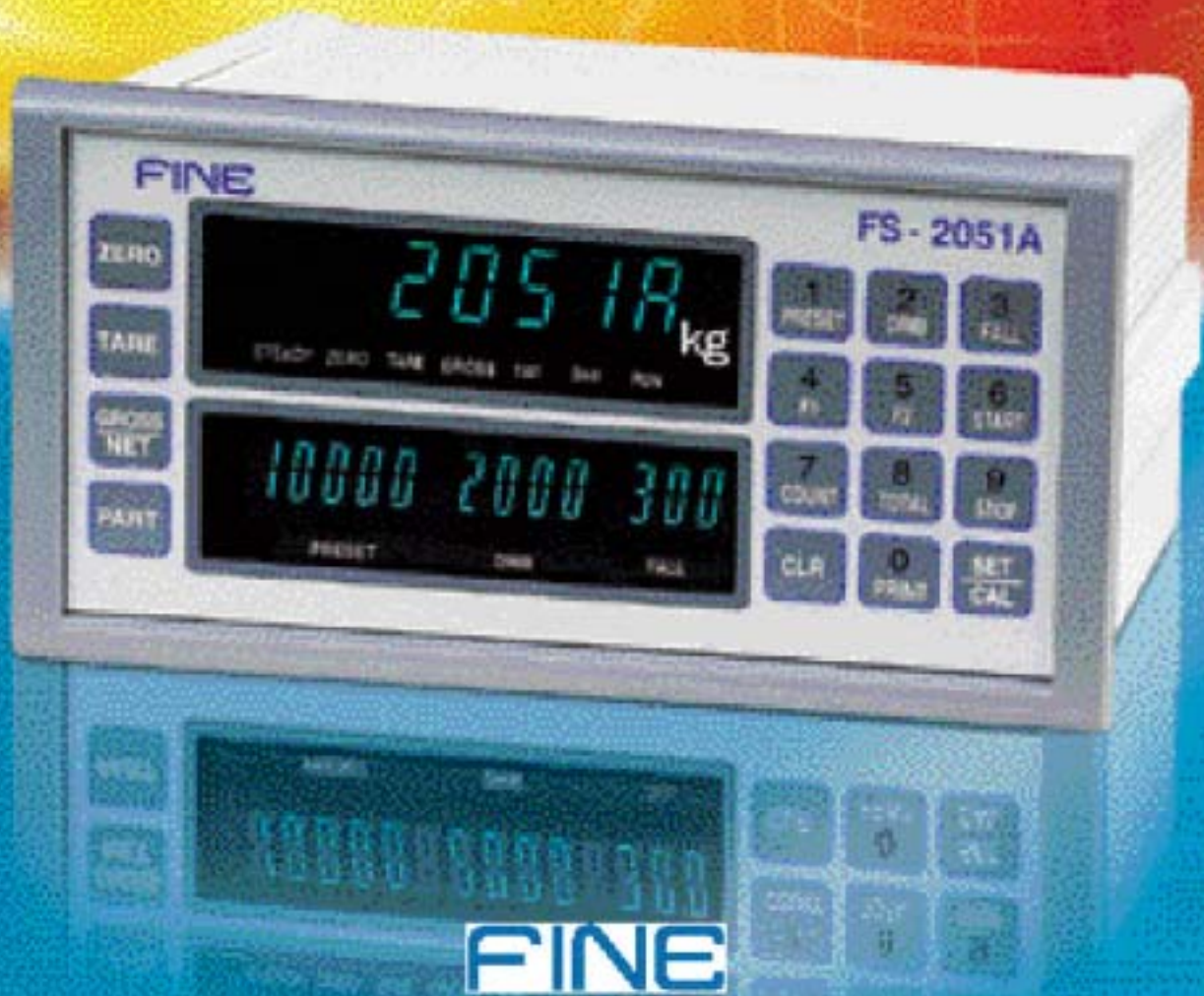


DIGITAL WEIGHING INDICATOR

# FS-2051A



**FINE**

FINE INTERKOREA CORP.

# FS-2051A



Come in useful to the WEIGHING CONTROLLER for Packing machine, etc.,

## 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 CONVERTOR	TYPE: DUAL SLOPE TYPE RESOLUTION: 1/130,000 COUNTS(17Bit) CONVERTING SPEED : 20TIMES/ SEC
NON-LINEARITY	0.00% 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	WEIGHT COLUMN : 13mm(1/2"), 7DIGITS SETTING COLUMN : 9.6mm 14 DIGITS HIGHLY BRIGHT FLUORESCENT TUBE
ANNUNCIATORS	STEADY, ZERO, TARE, GROSS, BULK, DRIB, RUN
DECIMAL POINT POSITION	0, 0.0, 0.00, 0.000
KEYBOARD	TEN KEY: ZERO, TARE, GROSS/NET, PART, PRESET, DRIB, FALL, F1, F2, START, COUNT, TOTAL, STOP, 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 EXTERNAL 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	2.3 kg
GROSS WEIGHT	3.3kg
PHYSICAL DIMENSIONS	192(W)x 160(D)x 96(H)mm 7.56(W)x 6.3(D)x 3.78(H)inch
FUSE	250V/ 0.3A

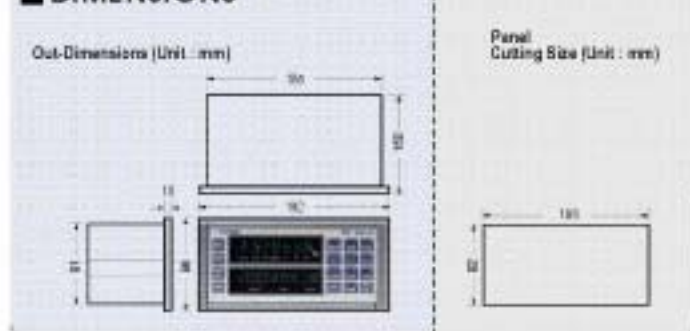
### OPTION

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)

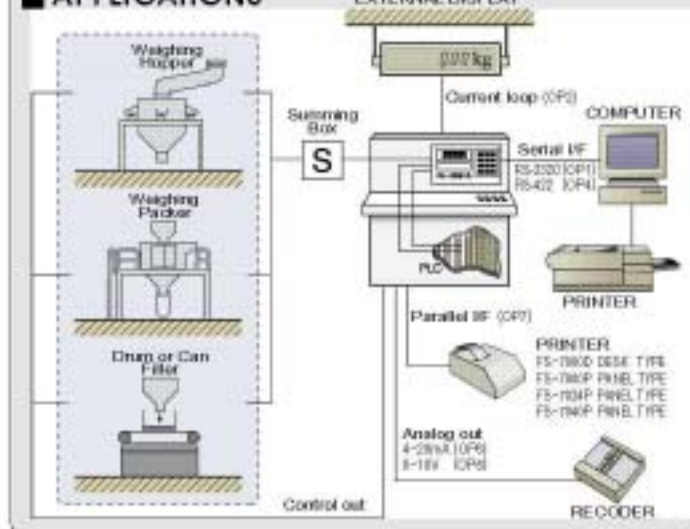
## FEATURES

- Control for packer, hopper, checker, limit scale, 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.
- Display for PRESET, DRIB and FALL in the setting-column.
- AUTO FALL COMPENSATION
- RESPONSE SETTING SYSTEM
- Button tare, Digital tare, Auto tare.
- Weight memory back-up for up to 10years
- 2Step control (Bulk 90%, Drib 100%)
- 20 Kinds of parts number can be memorized.
- 4 Control relay built-in(90% Preset-Drib, 100% Preset-Fall, FINISH, ZERO/EMPTY)
- BCD Input (external input of parts number)-2 digits
- The external field switch can be directly connected to 5pin terminal located at the rear panel for the remote control of some keyboard functions. (STOP, START, TARE/PRINT, ZERO)
- Can drive up to 8pcs of load cells(350 $\Omega$ ).

## DIMENSIONS



## APPLICATIONS



\*Specifications subject to change for improvement without prior notice.

# FINE FINE INTERKOREA CORP.

149-1, Daeheung-Dong, Mapo-Gu, Seoul 121-809, KOREA  
 TEL : 82-2-3273-3186-8 FAX : 82-2-3273-3189  
<http://www.fineweigher.co.kr>