

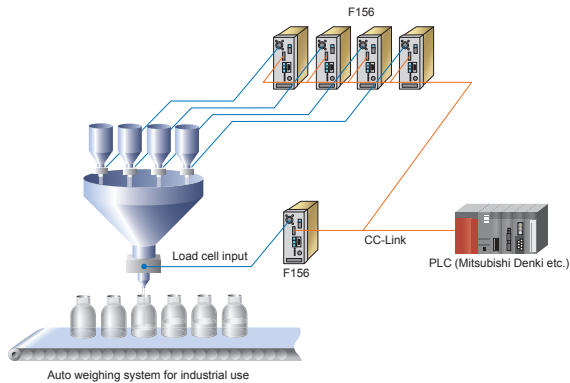
# F156

## BUILT-IN TYPE WEIGHING INDICATOR FOR CC-Link



▲ Remote-console unit for setting C110/C120

- Equipped with CC-Link
- CC-Link communication ASIC is directly connected to CPU bus thus it is very fast.
- Fail safe function will notice error to operator and cut the power supply to load cell in case of load cell failure, short circuit of the cable or over load.
- Perfect data backup & lithium battery monitoring function.
- High speed A/D conversion and powerful digital processing capabilities of 500times/sec., for rapid response to input signal.
- High accuracy head amplifier for load cell of zero drift 0.1 $\mu$ V/ $^{\circ}$ C
- Bessel type low-pass filter with high attenuation characteristic.
- Compact size of 67W $\times$ 185H $\times$ 130Dmm
- High resolution of 1/10000 in all input range.



### Specification

ANALOG	Excitation voltage	DC10V $\pm$ 5%, Output current; within 120mA remote sense type (Up to 4 350 $\Omega$ load cells can be connected in parallel.)
	Zero adjustment range	0 to approx. 2mV/V Rough adjustment : Digitally controlled by rough adjustment circuit. Fine adjustment : Automatic adjustment by digital processing.
	Gain adjustment range	0.3 to 2.0mV/V Rough adjustment : Digitally controlled by rough adjustment circuit. Fine adjustment : Automatic adjustment by digital processing.
	Min. input sensitivity	0.3 $\mu$ V/count
	Accuracy	Non-linearity..... within 0.01%/FS Zero drift..... within 0.1 $\mu$ V/ $^{\circ}$ C RTI (Typ 0.08 $\mu$ V/ $^{\circ}$ C) Gain drift..... within 15ppm/ $^{\circ}$ C (Typ 7ppm/ $^{\circ}$ C)
	Analog filter	Bessel type low-pass filter (-12dB/oct.) selectable from 2, 4, 6, 8 Hz
A/D converter	Speed.....500 times/sec Resolution.....16bit (binary)	
EXTERNAL SIGNAL	Input / output for final discharge (14p amphenol type connector)	
	Output (7):	Near zero/SP1/SP2/SP3/Under/Go/Over/Complete/Normally OFF/Lower limit/Upper limit/Stable/Weight error/Sequence error/Final error/RUN/Clock Transistor open collector output (Emitter = COM terminal) Output is set to LO when transistor is ON. Vceo = 30V (Max), Ic = 50mA (Max) Input (5): Digital Zero/Tare Subtraction/Tare Reset/HOLD or Judge/Feed/Discharge/Start/Stop ON when short-circuited with the COM terminal. Ic=10mA or lower
INTERFACE	SIF : 2-wire type serial interface	
	232 : RS-232C communication interface CCL : CC-Link interface	
GENERAL SPECIFICATIONS	Power supply voltage	100 - 240V AC (+10% - 15%) (Free power supply 50/60 Hz)
	Power consumption	12VA typ
	Operation condition	Temperature.....Operation : -10 to +40 $^{\circ}$ C Storage : -20 to +80 $^{\circ}$ C Humidity.....85% RH or less (non-condensing)
	External dimension	67 (W) $\times$ 185 (H) $\times$ 130 (D) mm (not including protrusions)
	Weight	Approx. 1.7 kg
ATTACHMENTS	AC input cable(Nominal rating 125V)3m... 1	57 series 14p connector..... 1
	Spare fuse (0.5A)..... 1 Mini driver..... 1 Crimping terminal..... 3 Load cell connector (JR connector) ... 1	CC-Link connector..... 1 RS-232C connector..... 1 Wall anchor..... 1 Operation Manual..... 1
OPTIONAL ACCESSORIES	C110 : Console unit	CN71 : CC-Link connector
	C120 : Console unit CAAC2P-B3 : AC input cord 3 m CAAC3P-CEE7/B2 : AC input cord (Voltage resistance: 250V) 2 m CA38X11 : Mini DIN-D-Sub 25p crossing cable 1 m CN10 : Load cell connector (JR connector) CN20 : 57 series 14p connector CN60 : Round DIN 8p connector for RS-232C	CA4131 : (6-wired) cable with JR connector at one end 3m CA4230 : JR-PRC (6-wired) conversion relay cable 0.3m CA4311 : JR-PRC (6-wired) conversion relay cable 1m (4-wired to 6-wired)(for 520A)

### External dimension

