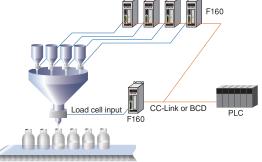
## F160 BUILT-IN TYPE HIGH SPEED SAMPLING WEIGHING INDICATOR

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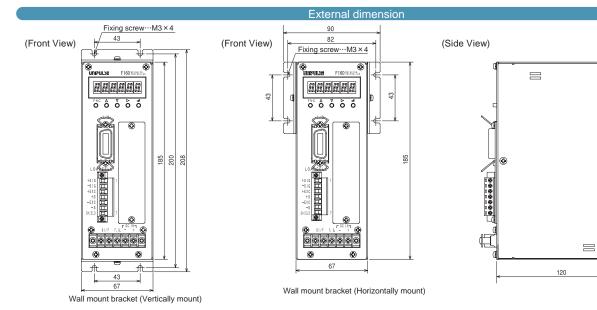




- RoHS-compliant product
- Compact size best for multiple unit integrate in a control panel
- High-speed A/D conversion and powerful digital processing capability of 1000 times/sec
- Ideal size display unit with simple key settings to check status and indicated value at any time. (Option interface is available for PLC host setting and
  - communication purpose.)
- Super low drift of 0.1µV/°C
- Wall mount bracket fittings is available with vertical and horizontal.
- One option interface can be selected from CC-Link or BCD output.



Auto weighing system for	r industrial use
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## Specifications

ANALOG	$ \begin{array}{lll} \mbox{Excitation} & \mbox{DC10V} \pm 5\% & \mbox{Output current: within 120 mA Remote sense t} \\ \mbox{voltage} & (\mbox{Up to 4 } 350\Omega \mbox{ load cells can be connected in parallel.}) \end{array} $					
	Zero adjustment range	0 to approx.2mV/V Auto adjusting method by digital processing.				
	Span adjustment range	t 0.3 to 2.0 mV/V Auto adjusting method by digital processing.			essing.	
	Min. input sensitivity	0.3µV/count	unt			
	Accuracy	Non-linearity				
	Analog filter	Bessel type low-pass filter (-12dB/oct.) Selectable from 2, 4, 6, 8 Hz				
	A/D converter	Speed				
DISPLAY	Display unit Character height 8mm 7-segment red LED, 6 digits Measured value 5digits Sign Minus sign on most significant digit Display frequency 25times/sec. (Speed of system 1000 times/sec.)					
EXTERNAL SIGNAL	Dutput signal Near Zero, SP1, SP2, SP3, Under, Go, Over, Complete, Normally OFF, Lower Limit, Upper Limit, Stable, Weight Alarm, Sequence Error, Final Error, In Operation (RUN), Clock (in an approximately one-second cycles) Each control output is selectable by setting. Transistor open collector output (Emitter = COM terminal) Output is set to LO when transistor is ON. Vceo = 30V (max), Ic = 50mA (max)					
	Input signal Digital Zero Reset, Digital Zero, Tare Subtraction, Tare Reset, HOLDor Judg (5 points)   Feed/Discharge, Sequence Start, Sequence Stop, No Function Each control input is selectable by setting. Set to ON when shorted to COM terminal through contact point (relay, switch et or non-contact point (transistor, open collector etc.) Ic = 10 mA or lower					
INTERFACE	SIF : BCO : CCL :	SI/F 2-wire serial interface BCD parallel data output interface (Option) CC-Link interface (Option)		ion)		
GENERAL	Power supply volt	age DC2	24V (±159	%)		
SPECIFICATIONS	Power consumption		typ			
	Operating condition		nperature: niditv:	Storage temp	nperature range -10°C to +40°C erature range -20°C to +80°C ss (non-condensing)	
	External Dimensio		,		(not including protrusions)	
	Weight		Approx. 1.2kg			
ATTACHMENTS						
OPTIONAL ACCESSORIES	CN20:57 series 1 CN71:CC-Link co	s 14p connector for external I/O connector		I/O	CN51:BCD Output connector CN80:Analog I/O connector terminal	

## Structure of product code

F160 

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Interface ①Standard unit

	Sign	Interface					
	Standard	SI/F					
↓ One optional interface can be added in addition the standard interface.							
	BCO	BCD output(Sink type)					

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CCL CC-Link

Unit: mm