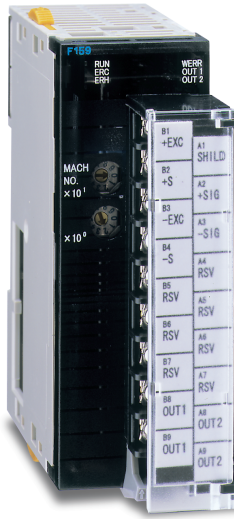


F159

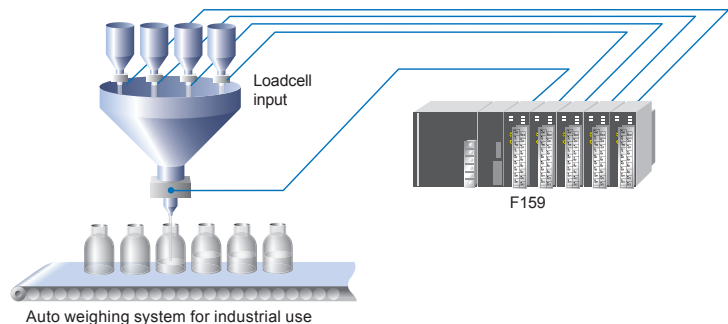
LOADCELL INTERFACE FOR OMRON SYSMAC CJ1/CJ2



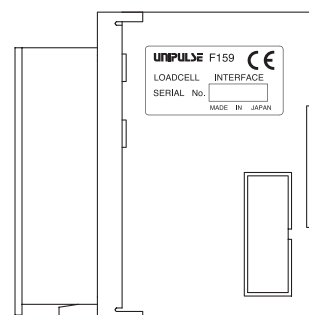
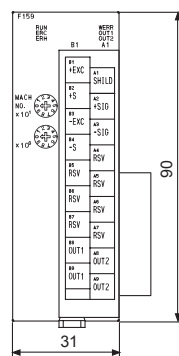
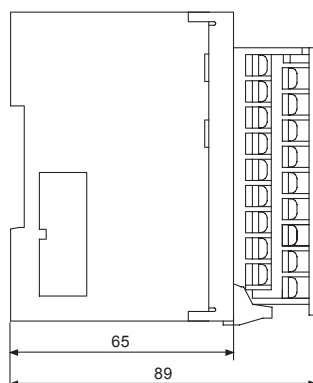
- CE marking certification
- RoHS-compliant product
- Loadcell interface that can be connected directly to OMRON SYSMAC CJ1/CJ2 bus.
- The measuring data of F159 is seamlessly communicated to OMRON SYSMAC CJ1/CJ2.
- Weighing command from SYSMAC CJ1/CJ2 is transmitted to F159 without undergoing complicated timing sequence.
- Inter-equipments wiring is greatly simplified.
- With its function blocks and other features, shorter preparation for standard application of sequence controlled programs with high reliability are achieved.
- System development time is shortened and maintenance, modifications and servicing are easy.
- It is much cost effective compared to other conventional measuring system.

Specifications

ANALOG	Excitation voltage	DC10V $\pm 5\%$ Output current: within 120 mA Remote sense type (Up to 4 units of 350 Ω load cells can be connected in parallel)
	Zero adjustment range	0~2mV/V Rough adjustment: Digitally controlled by rough adjustment circuit. Fine adjustment: Auto adjusting method by digital processing.
	Span adjustment range	0.3~3.2 mV/V Rough adjustment: Digitally controlled by rough adjustment circuit. Fine adjustment: Auto adjusting method by digital processing.
	Min. input sensitivity	0.3 μ V/count
	Accuracy	Non-linearity.....within 0.01%/FS (Typ: 0.005%/FS at room temp.) Zero drift.....within 0.2 μ V/ $^{\circ}$ C RTI(Typ: 0.15 μ V/ $^{\circ}$ C) Gain drift.....within 15 ppm/ $^{\circ}$ C (Typ: 5 ppm/ $^{\circ}$ 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.....24bit (binary)
DISPLAY	Status display	RUN : Lights up at normal operation ERC : } Turns on when an error in initial settings, CPU related error, ERH : } and unit error is detected. WERR : Lighted when weight error status is ON. OUT1 : Lighted when output 1 is ON. OUT2 : Lighted when output 2 is ON.
GENERAL SPECIFICATIONS	Power Consumption	At 1-350 Ω load cell: Approx. 300 mA; At 4-350 Ω load cells: Approx. 700 mA (when using 5V system only)
	Operation condition	Temperature..... Operation temperature range: 0~+55 $^{\circ}$ C Working temperature range: 0~+40 $^{\circ}$ C Storage temperature range: -20~+75 $^{\circ}$ C Humidity..... 90%RH or less (non-condensing)
	External dimension	31 (W) x 90 (H) x 65 (D) mm (not including protrusions)
	Weight	App. 150 g
	Attachments	Operation Manual.....1
CE MARKING CERTIFICATION	EMC Directive	EN61131-2



External Dimension



Unit: mm