

INTEGRAL SIGNAL CONDITIONERS

For Frequency, Voltage, or Current Output

FLSC-18B Series
Starts at
\$586



- ✓ Up to 0.05% Accuracy
- ✓ Choose from Six Output Types
- ✓ CMOS/TTL Compatible
- ✓ Adjustable Low Level Signal Filter for Noise Rejection
- ✓ Explosion-Resistant Heads
- ✓ For FTB-100 and FTB-200 Turbine Flowmeters
- ✓ Integral Signal Conditioners Available for 4 to 20 mA, 0 to 5V, and Factored Pulse Outputs

OMEGA® high accuracy integral signal conditioners are designed for direct mounting onto OMEGA® FTB-100 and 200 Series turbine meters. The input circuitry of the signal conditioners has been designed to receive and condition low level turbine meter signals while rejecting unwanted noise and spurious signals. A signal threshold control is provided which allows the user to set the input sensitivity above the ambient noise level, thereby eliminating any false signal on the output. Signal conditioners are available that can provide 4 to 20 mA, 0 to 5V, and scaled frequency pulse outputs that run on unregulated power supplies. Other units which run off 115 Vac provide both an unscaled pulse output and a 0 to 5V or 4 to 20 mA output. A zero and a span potentiometer allow for simple field adjustment of the analog outputs from the signal conditioners.

SPECIFICATIONS

Accuracy: See "To Order" box

Temperature Range: 0 to 70°C (32 to 158°F)

Pulse Output: TTL/CMOS; open collector for FLSC-51B

Input Frequency: 10-1000 Hz, 28 mV P-P; 1000-2500 Hz, 70 mV P-P. Can be used with any OMEGA® Turbine Meter

FLSC-18B, \$586, shown actual size.



Maximum Input: 120V RMS

Electrical Connections:

Screw terminals

Maximum Lead Length: 305 m (1000') of 24 gage copper wire for pulse or mA; 30 m (100') for 0 to 5V output.

Weight: 2.3 kg (5 lb)

Signal Conditioners	Compatible Meters Model No. (Page)
FLSC-18B, FLSC-34 FLSC-28, FLSC-35B	DPF50 (M-9), DPF60 (M-21) DPF300 (M-29), DPI8 (M-35)
FLSC-51	DPF70 (M-22), DPF701 (M-5)

Signal Conditioner (Enclosure Mounted) Only **MOST POPULAR MODELS HIGHLIGHTED!**

To Order (Specify Model Number)

Model No.	Price	Output	Input Power	Accuracy
FLSC-18B	\$586	4 to 20 mA	8 to 40 Vdc @30 mA	±0.05% FS
FLSC-34	822	4 to 20 mA with unscaled pulse	115 Vac 50/60 Hz	±0.1% FS
FLSC-28	603	0 to 5V	10 to 40 Vdc @10 mA	±0.5% FS
FLSC-35B	822	0 to 5V with unscaled pulse	115 Vac 50/60 Hz	±0.1% FS
FLSC-51	586	scaled squarewave pulse, 2 ms duration	8 to 35 Vdc @10 mA	±1% FS
FLSC-51B	586	scaled squarewave pulse, 50 ms duration	8 to 35 Vdc @10 mA	±1% FS

Signal conditioners are installed at no charge when purchased with turbine meter.

Note: The use of explosion-proof heads does not imply that complete assembly is either explosion-proof or intrinsically safe. It is the user's responsibility to determine the suitability of materials for a given installation.

Comes complete with operator's manual.

Ordering Examples: SYS/FTB-101/FLSC-18B, turbine and signal conditioner system, \$1765, see page F-57. SYS/FTB-201/FLSC-34, turbine and signal conditioner, \$2001, see page F-60.

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• Flow and Level

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• Heaters

Band Heaters, Cartridge Heaters, Circulation Heaters, Comfort Heaters, Controllers, Meters and Switching Devices, Flexible Heaters, General Test and Measurement Instruments, Heater Hook-up Wire, Heating Cable Systems, Immersion Heaters, Process Air and Duct, Heaters, Radiant Heaters, Strip Heaters, Tubular Heaters