

# TOSHIBA

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- **Automatic Logging:** Totalling over 64,000 event data (more than 1 month with 1 minute intervals)
- **Multiple Outputs:** Analog output, totalizing output, digital port for configuration, and RS-485 MODBUS (optional)
- **Extra A-IN (optional):** 1 port for passive analog input is available to log input data automatically
- **Graphical Setup “EZ-Wizard” on PC:** Parameter forms guides in slideshow sequence
- **EZ-Translation:** Configurable in any language locally on PC
- **Status Signs:** LCD indicates status and operating conditions without PC
- **Echo-wave Monitoring on PC:** Helps to identify ideal mounting positions of transducers

LF810  
Ultrasonic Flowmeter

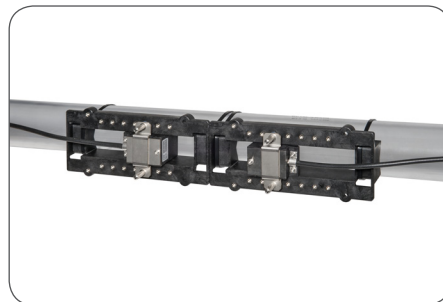




# LF810

## SPECIFICATIONS

<b>Measurement</b>	<b>Method</b>	Ultrasonic pulse transit time difference method		
	<b>Diameter Range</b>	1" – 24"		
	<b>Accuracy</b>	Pipe Diameter 1" – 1.75" 2" – 3.5" 4" – 10" 12" – 24"	Velocity $\geq$ 1m/s +/- 2.5% R.D. +/- 2.0% R.D. +/- 1.5% R.D. +/- 1.0% R.D.	Velocity $\leq$ 1m/s +/- 0.025 m/s +/- 0.020 m/s +/- 0.015 m/s +/- 0.010 m/s
<b>Output</b>	<b>Analog Output</b> <b>Relay Output</b>	1 port 1 port	4-20 mA Allowable load resistance 600 $\Omega$ Max. for Totalizing, Warning, or Directional output	
	<b>Digital Output</b>	1 port 1 port (optional)	USB Connection/Inter-communication mode RS-485/MODBUS-RTU output	
<b>Input</b>	<b>Analog Input</b>	1 port (optional)	4-20 mA/Passive input	
<b>Main Unit</b>	<b>Protection Degree</b>	IEC60529 IP65		
<b>Transducer</b>	<b>Applicable Temperature</b>	-4 to 140°F (-20 to 60°C)		
	<b>Protection Degree</b>	IEC 60529 IP65/IEC 60529 IP67 (optional)		
	<b>Cable Length</b>	30 m Max. (Applicable cable model: RG-223U)		
<b>Data Logging</b>	Over 68,000 lines (exp. More than 1 month by 1 minute interval/interval selectable) Logged item; Date, Time, Instantaneous Flow Rate, +Total, -Total, Error Code, and Event Status			
<b>Function</b>	PC Graphical Parameter Setting 4-Key Configurable via Console Self-diagnostics Disturbance Detection No Echo Receiving Warning Low Flow Cut Zero Shift		Span Compensation Fixed Analog Output Auto Gain Control Preset Totalize Start Data Retention Echo-wave Form Monitor Error Status Indication	



### TOSHIBA INSTRUMENTATION:

- Flowmeters
- Microwave Density Analyzers
- Process Control Systems
- Programmable Logic Controllers

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