



# ATS-FL2000

## Flow Controller

### PRODUCT DATA SHEET



#### SPECIFICATIONS

<b>Measuring Range</b>	Flow Values up to 99999, 0.001 resolution, (Please check the individual Flow transmitter FT-1000 for Accuracy) Temperature and pressure compensation of Non Corrosive gases
<b>Display Units</b>	3 Flow display units: <ul style="list-style-type: none"> <li>• Cubic meter per hour (m<sup>3</sup>/h)</li> <li>• US gallon per minute (GPM)</li> <li>• Litres per minute (LPM)</li> </ul> 3 Totalizer display units: <ul style="list-style-type: none"> <li>• Cubic meters (m<sup>3</sup>)</li> <li>• US gallons (g)</li> <li>• Litres (L)</li> </ul>
<b>Transmitter Selection</b>	FT-1000 is directly compatible to ATS-FL2000. User can select appropriate Flow transmitter in the flow transmitter settings (Please refer to manual for further information)
<b>Analog Input Calibration</b>	3x Factory calibrated 4-20mA externally powered current loop 16-Bit resolution analog channel
<b>Analog Output</b>	1x4-20mA analog output on selected flow values
<b>Relays</b>	1 (HI) – 24 VDC, 0.5A – On/Off Programmable 2 (LO) – 24 VDC, 0.5A – On/Off Programmable Relay function with customized dead band Note: Relays can be used for batch processing, please contact AT Systems for further information
<b>SD Card</b>	SD Card installed for data acquisition of parameter at user defined intervals
<b>Clock (Optional)</b>	Internal clock and calendar, 24 Hour format, ± 1 min/month accuracy
<b>RS-485 Communication (Optional)</b>	RS-485 based communication with AT Systems Software for microSD data retrieval, real time data monitoring, data analytics and remote relay operation
<b>Wireless Communication (Optional)</b>	Wireless module (requires wireless connection) for data transmission and logging on remote server. Data can be accessed on mobile app and computer software. Remote control of relays and current loop output
<b>Display</b>	Large graphical LCD (128px × 64px) with adjustable contrast and brightness
<b>Security</b>	Password protection
<b>Panel Cutout Size</b>	L x W (93mm x 93mm)
<b>Dimensions</b>	L x W x D (113.5mm x 113.5mm x 83mm)
<b>IP Class Protection</b>	IP 65 (In Panel Mount Installation)
<b>Weight (Assembly)</b>	≈ 255 grams
<b>Power Requirement</b>	24 VDC (Maximum up to 35 VDC), 2.5 Watts



**ATS-FL2000** is an industrial standard flow controller which is directly compatible to FT-1000 flow transmitters. ATS-FL2000 flow controller is simple to install in any industrial panel and fits in a 96mm x 96mm cutout. The flow controller comes with built-in 8 digits digital totalizer offering different unit selection. It has a built-in micro-SD card for storing flow and sum values with time.

**ATS-FL2000** has a robust design with standard panel mount fitting and a simple user interface.

#### APPLICATIONS

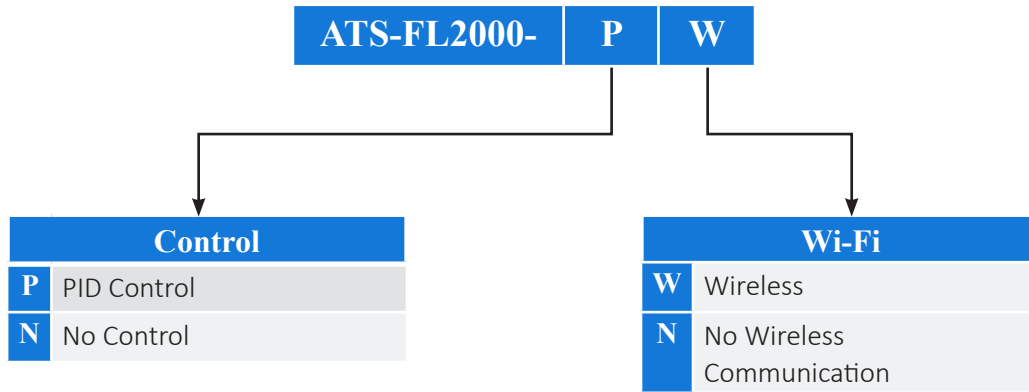
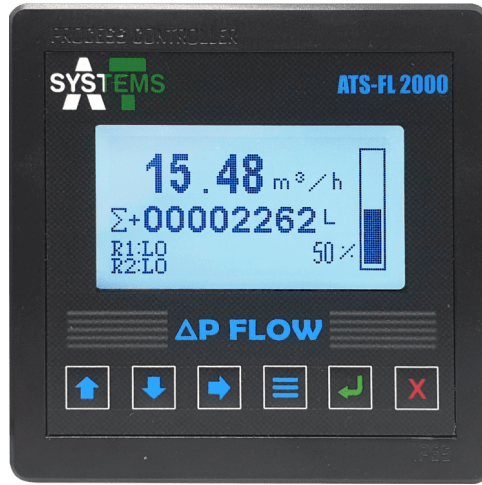
- Water Filtration
- Water Management
- Reverse Osmosis
- Ultra Filtration
- Commercial Tube Wells
- Chemical Process Industry
- Food Industry
- Water Softener
- Air flow monitoring
- Power Plant
- HVAC monitoring
- Cooling Towers



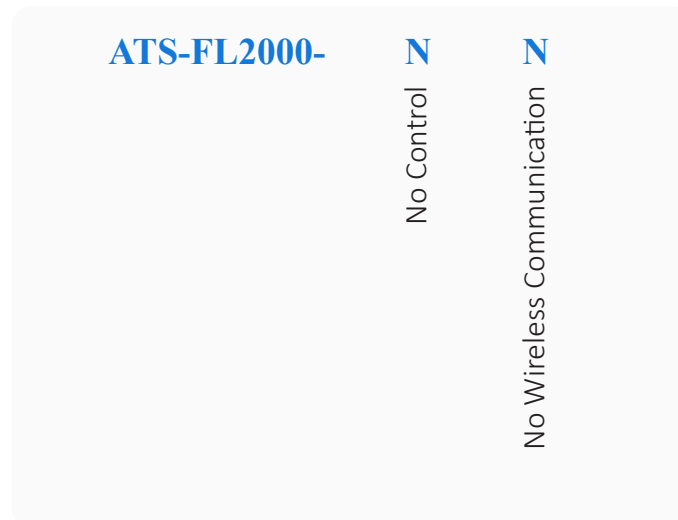
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### MODEL SELECTION GUIDE



### Example



**Standard Model:** ATS-FL2000-NN