

CASCED Controlled English Translation

Source file: 流量计/FL120数显涡轮流量传感器.pdf

Original diagrams and page relationships are retained in the paired source PDF. The following English text is the controlled translation and data transcription.

FL120 Digital Turbine Flow Sensor

Model: FL120

Product family: Flow Measurement

Category: Digital Turbine Flow Sensors



Overview

Digital turbine flow sensor and programmable flow switch with local display, upper/lower alarms, and remote flow monitoring.

Features

- Local LCD
- Programmable alarm limits
- Switch, analog, and pulse outputs
- Reverse-polarity, overload, and short-circuit protection

Applications

- Low-viscosity water, diesel, and gasoline measurement
- Industrial automation
- Petroleum
- Chemical processing
- Metallurgy
- Research

Technical Specifications

Specification	Source value
Nominal sizes	DN6–DN250 in the technical table; DN6–DN250 in ordering codes
Supply	12–30 VDC
Outputs	Switch; analog; pulse
Output current	<500 mA
Response time	<10 s
Switch accuracy	$\leq \pm 0.5\%$ of range
Current-output accuracy	$\leq \pm 0.5\%$ of range
Overall accuracy	$\leq \pm 2\%$ of range
Media/ambient/storage temperature	-20°C to +85°C / -20°C to +80°C / -30°C to +80°C
Body/turbine	304 stainless steel / stainless steel
Protection	IP67
Electrical connection	M12×1

Source-Control Status

Review required — page 3 repeats FL110 content and should not be treated as FL120 data without confirmation.