

# Electromagnetic Flow Meter for Conductive Liquids

The electromagnetic flow meter measures liquid flow rate by applying a magnetic field to the fluid and measuring the induced voltage. Suitable for water, chemicals, and slurries, it offers accuracy from  $\pm 0.5\%$  to  $\pm 1.0\%$  and IP65 to IP68 protection.



## ADDITIONAL IMAGES



## Overview

### High-Precision Electromagnetic Flow Measurement

The LDQ-98A electromagnetic flow meter is an economical and reliable solution designed for high-precision flow measurement across diverse process conditions. Engineered for stability and minimal magnetic interference, it delivers consistent signal output even in demanding environments. This versatile instrument is widely utilized in critical industries, including oil and gas, water treatment, and chemical processing.

## Performance Metrics

### Flow Range

**30 m<sup>3</sup>/h**

Max Flow Rate

**5 m/s**

Max Velocity

### Accuracy Class

0.5%

## Operating Conditions

### Pressure Rating

16 bar

### Temperature Range

-25 to 180°C

## Electrical & Connectivity

### Power Supply Options

- 12V-36V DC
- 85-265V AC
- 3.6V Battery

### Output Signals

4-20mA, Pulse, RS485

## Physical Specifications

### Protection Rating

IP68 • IP65

### Construction Details

| Feature         | Specification             |
|-----------------|---------------------------|
| Lining Material | PTFE                      |
| Connection Type | Flange                    |
| Model           | DN50 / ALM-EMF6000A04017N |