

# Ultrasonic Open Channel Flowmeter

## General

|                            |                                      |                                    |
|----------------------------|--------------------------------------|------------------------------------|
| Measuring Principle        | Transit-Time, Anti-Round             |                                    |
| Fluid Type                 | Open Channel                         |                                    |
| Transducer Type            | Ball Type 2 paths / 4 paths          |                                    |
| Air/Slurries Contains      | 30% Max                              |                                    |
| In/Output                  | Analog Output                        | Two 4-20mADC                       |
|                            | Relays Output                        | Two Normally Open                  |
|                            | Analog Input                         | One 4-20mADC for Level Transmitter |
| Required Straight Pipe Run | Upstream 10D, Downstream 5D          |                                    |
| Display                    | 240x128 Pixel Graphic LCD, Backlight |                                    |
| Sound Speed Tracking       | Automatic Sound Speed Tracking       |                                    |
| Time Average Set           | 0-60 seconds                         |                                    |
| Datalogger                 | 4.0 Mbytes                           |                                    |
| Communication              | RS-232C / RS-485 / ModBus            |                                    |
|                            |                                      |                                    |
|                            |                                      |                                    |
|                            |                                      |                                    |

## Electronic

|                       |                 |  |
|-----------------------|-----------------|--|
| Protection            | NEMA 4 / IP65   |  |
| Flow Velocity         | 0.02~12 m/sec   |  |
| Accuracy              | 2.0%            |  |
| Power                 | 110~220VAC, 30W |  |
| Operation Temperature | -20 ~ 60 deg.C  |  |
|                       |                 |  |
|                       |                 |  |

## Transducer

|               |                     |                 |
|---------------|---------------------|-----------------|
| Protection    | Submersible, IP68   |                 |
| Material      | Plastic, Ball Shape |                 |
| Cable         | RG-62A/U, 200M Max  |                 |
| Channel Width | LTO-M               | 0.2 ~ 3M Width  |
|               | LTO-L               | 3.0 ~ 30M Width |
|               |                     |                 |
|               |                     |                 |