

Vantage 2210



technical brief

Description:

The Eastech Flow Controls Vantage Model 2210 is a dual channel ultrasonic level meter that can be programmed either for level and/or flow applications. The flow applications will include flumes, weirs or free flow equations.

The Vantage 2210 comes with a backlit LCD display, front panel programming keypad one 4-20 mA outputs, RS232 serial port, up to five programmable relays and an internal data logger. The 2210 is housed in a NEMA 4X enclosure with viewing window.

Applications:

The Vantage 2210 can be applied to open channel flow measurement or fluid level measurement of water, wastewater or industrial process fluids.

- **As Flow Meter:** Dual influent/effluent of wastewater treatment plants, industrial effluent flows or any open channel flows in association with flumes or weirs.
- **As Level Meter:** Dual water tanks, chemical tanks or wet wells for level measurement up to 50 feet.

Enclosure:

The Vantage 2210 comes standard with a NEMA 4X/IP66 polycarbonate enclosure. The enclosure has a hinged viewing window and a separate access panel for wiring connections. There are three ½ inch conduit holes in the bottom of the enclosure for wiring. Enclosure options are heater and thermostat for cold weather outdoor use and key lock for the hinged window.

Sensor Styles:

- FB7, range 0-15ft, material Kynar
 - FB5, range 0-25ft, glass filled polyester
 - FB3, range 0-50ft, material ABS Plastic
- See FB Ultrasonic Sensor Technical Brief for more detailed information.



Programming:

The Vantage 2210 is easily programmed to the user's application data. The 16 button keypad and the drill down menu selection allow the user to program or adjust various parameters in the field. Some of the programming features are:

- Selection of using one or two sensors for level and/or flow applications.
- Selection of 70 stored flume and weir equations.
- Selection of 5 level units and 15 flow units.
- Selection of baud rate and up to 128 slave IDs for the RS232 serial communication port.
- Selection of the output response time.
- Programming of relay assignments.
- Programming of data logger channels and logging intervals.
- Selection of information to be displayed on the 4 line 2 page main display screen.

Features:

- **Fast and Simple Programming**
- **Single or Dual Sensor Operation**
- **Three Sensor Options**
- **High Accuracy and Reliability**
- **Internal Data Logger**
- **18 Month Warranty**

