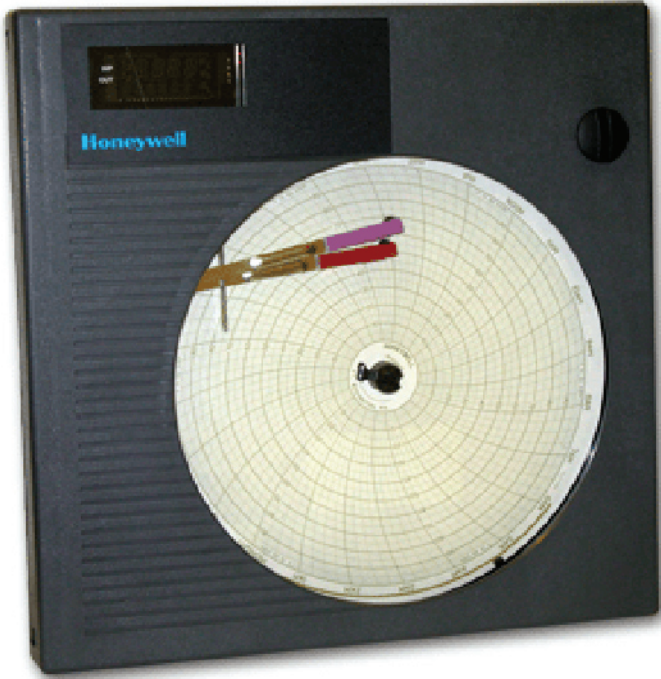




## FX-4300 and FX-4500 Series Circular Chart Recorders

Complete your chlorine monitoring or control system with a Honeywell DR4300 series circular chart recorder



### PRODUCT FEATURES

#### FX-4300

- Accuracy +/- 0.35% of span
- Up to 2 inputs (limited selection)
- One or two pen recording
- Fully user configurable
- 10-inch chart
- Ink cartridge
- Recording speed 8 hrs, 12 hrs, 24 hrs, 7 days
- 4-20mA input

#### FX-4500

- Accuracy +/- 0.10% of span
- Up to 2 inputs
- One or two pen recording
- Up to 4 alarm/control relays (optional)
- Fully user configurable
- Digital PV display
- 10-inch chart
- Up to 2 control loops - full PID control (optional)
- Totalization and timers (optional)
- 24 volt power supply (optional)
- Ink cartridge
- Recording speed 1 hour to 744 hours
- 4-20mA input



**FX-4300/4500  
Circular Chart Recorder**

**SPECIFICATIONS**

**With Display**

Minimum Input Span Input Impedance	Range is fully configurable within span limitation of the sensing element. mA dc: 250 ohms Vdc: 200 k ohms RTD: 13.3 k ohms All others: 10 megohms
Span Step Response Time	7 seconds maximum
Reproducibility	0.1 percent of span
Sampling Rate	Input sampled every 1/3 seconds.
Input Filter	Without Display: Analog with time constant of 3 sec. and digital with time constant of 1. With Display: Analog with time constant of 3 seconds and digital adjustable 0 seconds to 120 seconds.
Pen	Disposable fiber-tip cartridge, line length per cartridge more than 1000 ft (305 m).
One Pen:	Purple
Two Pen:	Purple (pen one) and red (pen two)
Chart	10.24-inch (260 mm) diameter chart with standard preprinted markings and a calibrated width of 4 inches (100 mm).
Wiring Connections	Two piece wiring connectors inside case.
Digital Displays	Vacuum fluorescent, alphanumeric.
Weight	12 pounds, (5.4 kg)
Mounting	Panel, surface, or 2-inch pipe mounting.
Dimensions	14" h x 14" w x 5.8" d (355.6 mm h x 355.6 mm w x 147.8 mm d)
Power Requirements	100 to 240 Vac, 20 watts maximum.
Ambient Temperature	58o F to 131o F (15o C to 55o C)

**Without Display**

Alarm Outputs	Two SPDT electromechanical relays, or solid state or open collector outputs for an alarm.
Relay contact rating:	resistive load - 5A @ 120 Vac or 2.5 A @ 240 Vac.
Alarms Type:	based on PV or deviation, high or low state, hysteresis: 0% to 100% of input span.
Tuning	PID tuning parameters of gain or PB, rate, reset.
Input	Display can be set for 0, 1 (XXX.X) or 2 (XX.XX) decimal position with display/keypad. Input range can be scaled from -999 to 9999 and bias of -999 to 9999. Selectable for none, up, or down.
Sensor Burnout Totalizer	Totalizers (1 per pen); 6 digits displayed; reset with keypad or remote (digital) input; rate can be set for seconds, minutes, hours, days, or millions per day, scale factor by 10's from 1 to 108., programmable low flow cutoff value.
Transmitter Power External Keypad	24 VDC with adjustment of +/- 6% (22.6 to 25.4) 100mA maximum output. Six-button keypad to allow operator selections without opening the door.

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