

Dual Channel Controller - Model 375-Dual

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Specifications

INDICATED USE: Area monitoring
COMPATIBLE DETECTORS: G-M, proportional, scintillation, and neutron
DISPLAYS: 2 each 4 digit LED display with 0.8"(2cm) character height
DISPLAY RANGE: 000.0 - 9999
DISPLAY UNITS: Can be made to display in microR/hr, mR/hr, R/hr, microSv/h, mSv/h, Sv/h, microrem/hr, mrem/hr, rem/hr, cpm, cps, and others
LINEARITY: Reading within plus or minus 10% of true value with detector connected
RESPONSE: Typically 3 seconds from 10% to 90% of final reading
STATUS: (green light) Indicates the instrument is functioning properly
LOW ALARM: Indicated by a yellow light and slow beep (1 per second) audible tone (can be set at any point from 0.0 - 9999)
HIGH ALARM: Indicated by a red light and fast beep (4 per second) audible tone (can be set at any point from 0.0 - 9999)
NOTE: Audible indicators can be configured as a single beep if desired.
DET FAIL: (red light and audible tone; greater than 68 Db at 2 feet) Indicates detector overload, no count from detector, or instrument failure
LOW BAT: (yellow) Indicates less than 2 hours of battery power remaining
CONNECTOR: Series "C" (others available)
CALIBRATION CONTROLS: Accessible from front of instrument (protective cover provided)
HIGH VOLTAGE: Adjustable from 200 - 2500 volts
THRESHOLD: Adjustable from 2 - 100 mV
DEAD TIME: Adjustable to compensate for dead time of the detector and electronics (can be read on the display)
OVERLOAD: Senses detector saturation (indicated by display reading "-OL-")
OVERRANGE: Indicates the radiation field being measured has exceeded the counting range of the instrument (indicated by display reading "----")
DATA OUTPUT: 9 pin connector providing 5 decade log output, RS-232 output, signal ground connection, FAIL and Alarm signals (current sink), and direct connection to battery and ground
REMOTE(optional): Model 271, or Model 272 remote units
POWER: 95 - 135 VAC (178 - 240 VAC available), 50 - 60 Hz single phase (less than 100 mA), 6 volt sealed lead acid rechargeable battery (built in)
BATTERY LIFE: Typically 48 hours in non-alarm condition, 12 hours in alarm condition
BATTERY CHARGER: Battery is continuously trickle charged when instrument is connected to line power and turned on
CONSTRUCTION: Aluminum housing with ivory polyurethane enamel paint
TEMPERATURE RANGE: -4° F(-20° C) to 122° F(50° C)
May be certified for operation from -40° F(-40° C) to 150° F(65° C)
SIZE: 7.4"(18.7 cm)H X 17.8"(45.1 cm)W X 2.5"(6.4 cm)D
WEIGHT: 6.5 lbs (2.9 kg)

