Model 2241 Digital Ratemeter/Scaler

Features

- **Digital Ratemeter with Built-In Scaler**
- **Auto-Ranging**
- **Adjustable Alarms**
- **Wide Range HV**
- **Overrange & Overload Protection**

Model 2241 is a general purpose, digital ratemeter with a built-in scaler that facilitates timed counts over a user specified period. The LCD presents readings in a 4-digit moving decimal format together with one of a wide range of available units of measure and is accompanied by several operational and alert icons. The LCD backlight can be activated and remains lit for a user-adjustable interval. This instrument features adjustable Alert and Alarm setpoints for both the Ratemeter and Scaler modes. Front panel controls include a rotary switch for selecting between Off, Ratemeter Mode and Scaler Mode; switches for audio on/off and fast/slow response time; and push-buttons for activating the LCD backlight and for either resetting the counts or acknowledging alarms.

Specifications:

Indicated Use:	General purpose survey, gross counting
Compatible Detectors:	GM, Proportional, Scintillation
Linearity:	Reading within 10% of true value with detector connected
Display:	4-digit LCD display with 1.3 cm (0.5 in.) high digits, separate annunciators for display units, alert, alarm, low battery, detector overload, counting overflow, and scaler counting
Display Range:	Auto ranging from: 0.0 µR/hr to 9999 R/hr, 0.000 µSv/h to 9999 Sv/h 0 cpm to 999 kcpm, 0 cps to 100 kcps
Backlight:	Pushbutton to activate
Ratemeter:	Can display in R/hr, Sv/h, cpm, or cps when selector switch is in RATE position
Scaler:	Adjustable from 1 to 9999 s (in 1 s intervals)
Alert/Alarm:	Indicated by annunciation on display and audible tone
High Voltage:	400 to 2400 V
Discriminator:	Adjustable from 2 to 100 mV
Temperature Range:	-20 to 50 °C (-4 to 122 °F)
RS-232 Port:	Available in two output formats: binary output or ASCII output. The ASCII output format option requires a firmware change (PN 4408-192).
Power:	2 "D" cell batteries housed in an externally accessible, sealed compartment
Battery Life:	Typically 200 hours with alkaline batteries (low battery warning on LCD)
Size:	6.5" H x 3.5" W x 8.5" L
Weight	3.5 lb

Model 2241	Digital Ratemeter/Scaler
051-196	Check Source Cs-137 1.0 µCi
051-166	Check Source Holder
051-197	Check Source With Stick On Holder Cs-137 0.25 µCi