

LUDLUM MEASUREMENTS, INC.

Model 3277/1 Alpha-Beta Frisker



Model 3277/1 configured with desktop mount

Features

- 7-inch Color Touch-Screen Shows all Readings Simultaneously in a Large, Simple Layout
- Simple Setup and Use
- Can Be Used with Various Scintillation or Proportional Detectors
- Either Imperial or SI Units
- Rechargeable Backup Battery
- Automatic Background Subtraction During Measurements

Introduction

The Model 3277/1 is a wall-mount or desktop instrument that can be used for frisking personnel or objects for alpha and beta contamination. A large, color touch-screen displays alpha and beta readings simultaneously, and dual tone click-audio enables the user to easily distinguish between alpha and beta contamination. Power is supplied by either an internal, rechargeable battery or a 100 - 240 Vdc wall transformer. Battery life is approximately 8 hours under normal usage.

The Model 3277/1 is supplied with either a wall mount or a desktop mount. Mount type must be specified at time of order. The instrument can be used with either scintillation or proportional alpha-beta detectors. A list of compatible Ludlum detectors is provided on the right.

Specifications

Part Number: 48-4357

COMPATIBLE DETECTORS: Scintillation or proportional alpha-beta detectors

DISPLAY: 17.8 cm (7 in.) diagonal TFT LCD SVGA

DISPLAY RANGE:

- 0.00 cps to 999 kcps
- 0.00 cpm to 999 kcpm
- 0.00 Bq to 999 kBq
- 0.00 dpm to 999 kdpm

NOTE: Display ranges should be set up by qualified personnel according to detector specifications

CONTROLS: Touch-screen

RESPONSE TIME: User-selectable from 1 to 60 seconds, or auto-response rate FAST or SLOW

ALARMS: Audible and visual alarms

LOSS OF COUNT PROTECTION: After a user-settable time interval of no pulses from detector (default 60 seconds), the unit will display an alarm

HIGH VOLTAGE: 400 to 2200 Vdc

AUDIO: Greater than 75 dB at 0.6 m (2 ft), approximately 4.5 kHz

POWER: 12 V, 6 A-hr internal battery or input from wall-mount transformer (input 100-250 Vac, 50-60 Hz, output to instrument 15 Vdc, supplies trickle charge to battery)

BATTERY LIFE: Up to 8 hours

CONSTRUCTION: Aluminum housing with beige powder-coat finish

TEMPERATURE RANGE: 0 to 40 °C (32 to 104 °F)

SIZE (H x W x L): 9.4 x 18.5 x 23.6 cm (3.7 x 7.3 x 9.3 in.)

WEIGHT: 4.7 kg (10.4 lb)

Configuration Options

Select **Desktop Mount:** PN 4519-435
or **Wall Mount:** PN 4519-439

Select **Model 43-93 Cradle:** PN 4519-441
or **Model 43-147 Cradle:** PN 4519-442

Compatible Detectors

Model 43-93: 100 cm² alpha/beta scintillator (PN: 47-2556)

Model 43-147: 200 cm² alpha/beta scintillator (PN: 47-4092)

Software

Lumic Calibration Software Kit (includes cable): PN 4519-865