

SPEEDY FERET PORTABLE TRITIUM WIPE TEST COUNTER

Model ~ SF-TF6

FEATURES:

- WIPE COUNTER
- TRITIUM
- CARBON-14
- SULPHUR 35 ETC.
- PORTABLE
- LOW BACKGROUND
- WINDOWLESS

ELECTRONICS – PRS-7:

- VERSATILE AC OR RECHARGEABLE BATTERY
- THREE SINGLE CHANNEL ANALYZER WINDOWS
- SWITCH SELECTABLE
- SIX DECADES
- CRYSTAL CONTROLLED



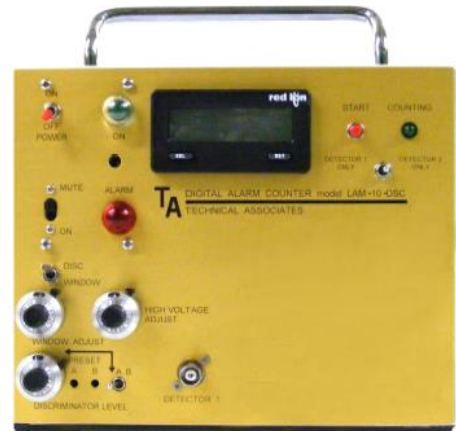
SF-TF6 – SPEEDY FERET

APPLICATION:

Ideal for wipe test counting of low energy Beta emitters such as Tritium, Carbon-14, Sulphur 35 etc.

SYSTEM DESCRIPTION:

- PRE-AMP
- 1 1/8" DRAWER
- 1" LEAD SHIELD
- GAS PROPORTIONAL DETECTOR
- PRS-7 SCALER ELECTRONICS



PRS-7 ELECTRONICS



TECHNICAL ASSOCIATES

OVERHOFF TECHNOLOGY

7051 Eton Ave., Canoga Park, CA 91303
818-883-7043 (Phone) 818-883-6103 (Fax)

sales@usnuclearcorp.com

Divisions of



US NUCLEAR CORP

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WWW.TECH-ASSOCIATES.COM

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SPECIFICATIONS:

DETECTOR:

Gas: P-10 (90% argon 10% methane) or similar counting gas
Low gas usage
O-ring gas seal

Background: Typically < 10 cpm

Cable: 3 feet RG 58 cable; MHV terminated

Gas Supply Tubing: 6 feet of 1/4"

Background & Shield: 1-1/8" diameter low background gas flow detector probe with drawer & 1" lead shield.

ELECTRONICS – PRS-7 SCALER:

Digital Readout: 6 digit LCD Rate, 8 digit integrate.

Time Base: Crystal controlled 1-10,000 seconds, user settable.

Display Modes: Rate, Integrate.

Range:

Usable Probes Cover Range: 1-100,000 cps or other units of choice.

Audio Alarm: Piezo electric sounder with volume control.

Single Channel:

3 Switch Selectable Windows: 2 preset (resettable) window positions plus one "variable".

Settable scale factors allow readout in almost any units.

Engineering Units: User can input correct conversion factor and change to any units.

Analyzer/Discriminator: 10-turn, 1000 division pot for each threshold.
10-turn, 1000 division pot for window width.

Controls: Front Panel: On-Off, Alarm-mute, Rate, Integrate, Reset.

Calibration: Digital input of calibration factor gives high precision adjustment.

Serial Output: Two way, RS-232 standard, USB optional.

Construction: NEMA-4X polycarbonate gasket sealed case with handle:
Rugged / splash-proof.
All plug in circuit cards.

Computer interface: RS-232

OPTIONS: USB
Output for Digital Printer
Alarm Relay



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POWER:

- **Power:** 105-125 volts, 50-60 Hz (220 V optional)
- **Batteries:** 12v, 4.8 Amp Hour built-in L-ion battery pack with AC Charger Adapter
- **Battery Life:** 3-5 days at 8 Hour/day

WEIGHT AND DIMENSIONS: - PRS-7

- **Dimensions:** 10" L x 4.1"W x 7" H (25 cm L x 10.5 cm W x 18 cm H)
Includes handle
- **Weight:** 5lbs (2.5kg) including batteries.



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