Model 2000WTC
Wipe Test Counters

Three systems designed for gross sample counting of wipes are available, each consisting of a Model 2000 6-decade scaler, a Model 180-1 sample holder, a cable and a choice of beta, beta/gamma scintillation detectors that are compatible with the 180-1 sample holder.

SYSTEM	Scaler	Sample Holder	Detector
2000WTC-1	2000	180-1	44-1
2000WTC-21	2000	180-1	44-21
2000WTC-98	2000	180-1	44-98

Model 2000 Scaler

Display: ..... 6-digit LED, 0 - 999999 counts
Linearity: ..... within ±2% of true value
Timer: ..... thumbwheel adjustment from 0 - 99 minutes with divisions of x 0.1, x 1, x 10, x 100
High Voltage: ..... adjustable from 200 - 2500 volts
Meter Dial: ..... 0 - 2.5 kV
Linearity: ..... within ±10% of true value
Power: ..... 95 - 135 VAC, 60 Hz
Size: ..... 21.6 cm H x 12.7 cm W x 23.5 cm D

Model 180-1 Sample Holder

Sample Size: ..... 4.7 cm maximum
Sample Tray: ..... selectable spacing of 0.125 in, 0.25 in, 0.5 in, 1 in and 2 in from detector
Construction: ..... anodized aluminum

Model	44-1	44-21	44-98
Indicated Use	Beta Detection	Beta, low energy gamma detection	
Scintillator Type	Plastic scintillator 4.3 cm dia. x 0.03 cm	NaI 2.5 cm dia. x 1 mm on plastic scintillator	Bismuth germanate 2.5 cm dia. x 1 mm
Window Area	11.6 cm^2 active	5.1 cm^2 active	5 cm^2 active
Efficiency (4pi)	10% - ^{14}C	19% - ^{125}I, 5% - ^{14}C 28% - ^{32}P	10% - ^{14}C 19% - ^{125}I
Background	10 cpm/uR/h	40 cpm/uR/h	55 cpm/uR/h

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