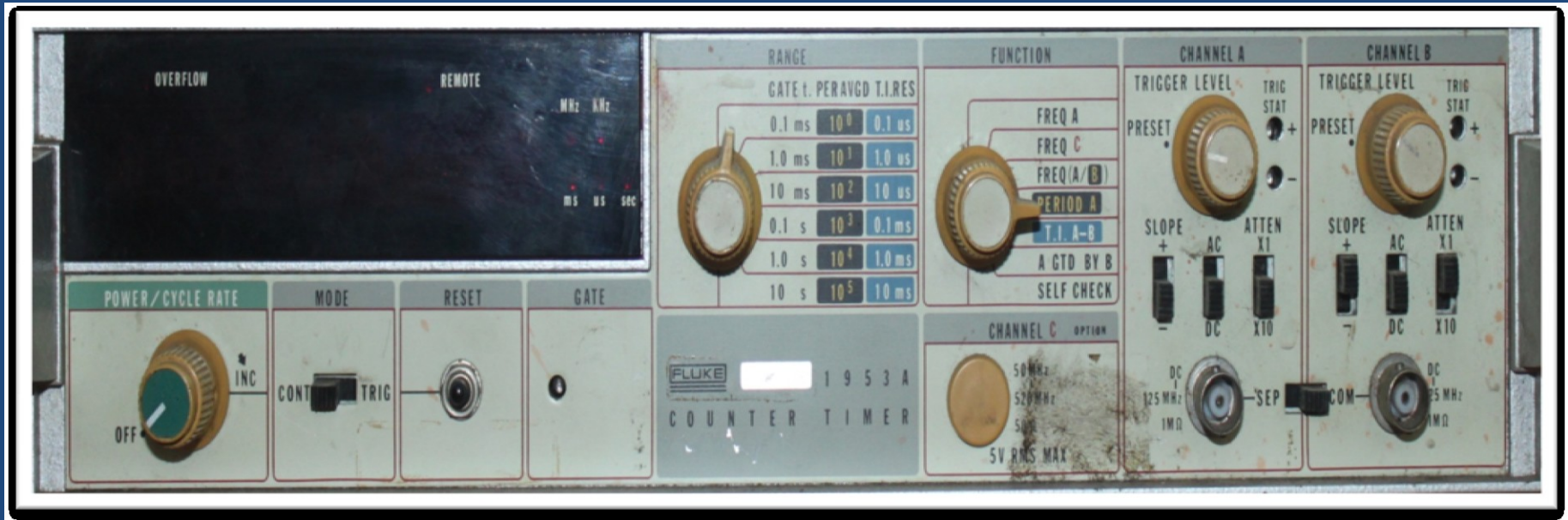


FLUKE 1953A COUNTER TIMER

TYPE: COUNTER/ TIMER



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DETAILS:

PARAMETER	RANGE	ACCURACY	RESOLUTION	READOUT
FREQUENCY MEASUREMENTS	0-125MHz(dc coupled) 5Hz to 125MHz(ac coupled)	Time base accuracy ± 1 count	0.1Hz at 10s gate time to 10KHz at 0.1ms gate time	KHz or MHz automatically displayed with decimal point
PERIOD MEASUREMENTS	0 to 25MHz(dc coupled) 5Hz to 25MHz(ac coupled)	Time base accuracy ± 1 count + trigger error of signal on input A	1ps at 10^5 periods to 0.1 μ s at 1period	ms or μ s automatically displayed with decimal point
TIME INTERVAL MEASUREMENT	0.1 μ s to 10^7 s	± 1 count + time base accuracy + trigger error	0.1 μ s to 10ms in 6 decade steps	ms or s automatically displayed with decimal point
RATIO MEASUREMENT	f1: 0 to 120MHz (dc coupled) 5Hz to 120MHz (ac) f2: 0 to 25MHz (dc) 5Hz to 25MHz(ac)	± 1 count of signal on input A+ trigger error of signal on input B.	DISPLAY f1/f2, where f1 and f2 are applied at the two input channels, A and B, respectively	Decimal point without unit annunciation

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Frequency required	10MHz
Impedance	1M Ω , 20pF
Sensitivity	250mVrms
Dynamic range without limiting	5V peak-to-peak
Operating temperature	0°C to +50°C
Storage temperature	-40°C to + 75°C
Dimensions (WxDxH)	36.2x34.29x8.76 cm
Weight	4.32kg(9.5 lbs)

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INPUT IMPEDANCE	
Channel A or B	1m Ω in parallel with 30pf max
Channel C (pre scaled)	50 Ω nominal, VSWR 2:1 max when not limiting
Dynamic range without limiting	-3.5 to +3.5V(channel A and B) 1Vrms (channel C)
Impedance in limiting condition	120K Ω in parallel with 75pf (channel A and B).VSWR less than 3:1(channel C)

APPLICATIONS: Capable of measuring frequency, frequency ratio, time interval, period and total events.

CODE: DSE0CT0001953A0026.

MANUAL NO.: 26.