

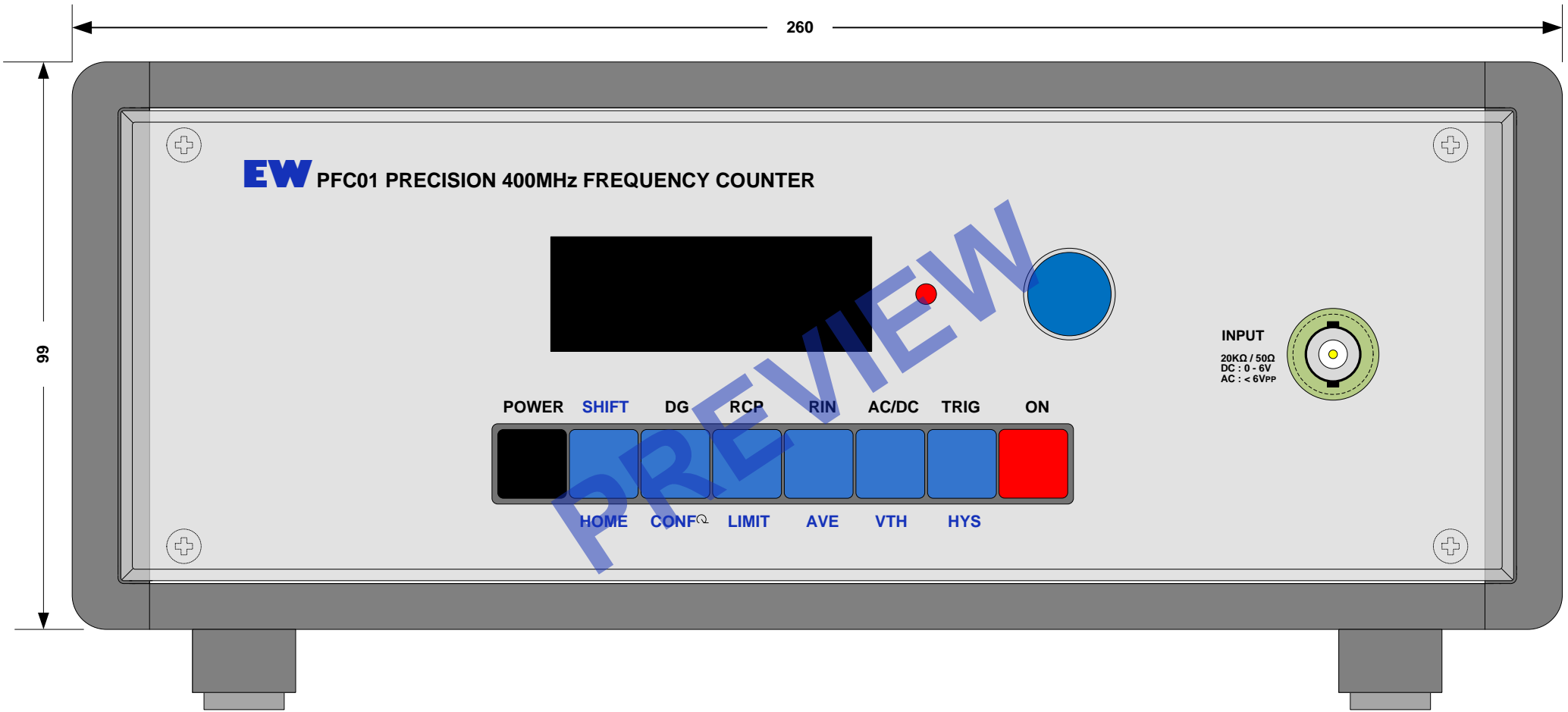
PRECISION FREQUENCY COUNTER - PFC01

- ACCURATE TIME BASE WITH TEMPERATURE STABILIZED XTAL OSCILLATOR AND DUAL COUNTING SYSTEM
- USB INTERFACE WITH PC - ISOLATED RS232C (BIT RATE SELECTABLE UPTO 115.2 KBIT/S) FOR FULL SETTING & MEASURE
- MAJOR PERFORMANCE

INPUT(BNC)	FREQUENCY RANGE COUPLING SWING/HYSTERISYS CR HIGH LOW DC SPAN/THRESHOLD AC SPAN/HPF CUTOFF DC PROTECTION	FIN ≤ 400MHz DC / AC VIN : ≥ 0.2VPP VHYS : NONE / 50mV RIN : 20KΩ CIN : < 6pF RIN : 50Ω CIN : < 6pF (COUPLING AC ONLY) VINDC : 0 – 6V VTH : 0.5 / 0.75 / 1.0 / 1.25 / 1.5 / 2.0 / 2.5 / 3.0 VINAC < 6.0VPP FHPF < 15Hz WHEN RIN HIGH FHPF < 5KHz WHEN RIN LOW -6V ≤ VIN ≤ +11V WHEN POWER ON -6V ≤ VIN ≤ +6V WHEN POWER OFF
TIME BASE(BNC)	FREQUENCY OUTPUT INPUT	10MHz VOUT : 1VPP AT 50Ω VIN : 0.5 – 5.5VPP RIN : 2.7KΩ / 50 Ω AC COUNPLING NAVE : 1 / 2 / 4 / 8 / 16 / 32 / 64 (1 : ONE RUN)
AVERAGING MEASURING RATE	DIRECT GATING RECIPROCAL GATING	< TGATE X NAVE + 300uS < TIN X (NAVE + 1) + 8.2mS
COUNTING MODE	DIRECT GATING RECIPROCAL GATING	TGATE : 1SEC / 10SEC / 100SEC FIN > 0.01Hz 32BIT BINARY PRESCALING FIN ≤ 50MHz
DISPLAY WAIT TIME		11 DIGIT + DECIMAL PONIT > 1000SEC AFTER POWER ON

● ACCURACY TA:0 - 40°C AC:100±10%	TIME BASE MEASURE DIRECT RECIPROCAL	< 1YEAR AGING TIME BASE ACCURACY ± 1LSD TIME BASE ACCURACY ± 0.1PPM ± 1LSD (WHEN FIN=100KHZ TRESOLUTION=10pS)	< 0.5PPM < 0.3PPM/YEAR
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- UTILITY ACCUMULATED TIME BASE OPERATION HOURS , CASE FAN CONTROL WITH TIMEBASE TEMPERATURE MONITOR
- OPERAION AC POWER : 100V±10% 50/60Hz 25VAMAX AMBIENT TEMPERATURE : 0 - 40°C
- DIMENSION W210MM X H112MM X D294MM
- OPTION #1 ENRICHED TIMEBASE ACCURACY < 0.15PPM (< 1YEAR) AGING < 0.1PPM/YEAR AC POWER:50VA



EW PFC01 PRECISION 400MHz FREQUENCY COUNTER

INPUT

20KΩ / 50Ω
DC : 0 - 6V
AC : < 6Vpp

POWER SHIFT DG RCP RIN AC/DC TRIG ON

HOME CONF LIMIT AVE VTH HYS

EW ELECTRO WORK

PFC01
PRECISION 400MHz FREQUENCY COUNTER

ACCURACY : $\pm 0.5\text{PPM}$ FIRST YEAR
AGING : $\pm 0.3\text{PPM}$ / YEAR

OUTPUT
4.5V 10K Ω
1.0V 50 Ω

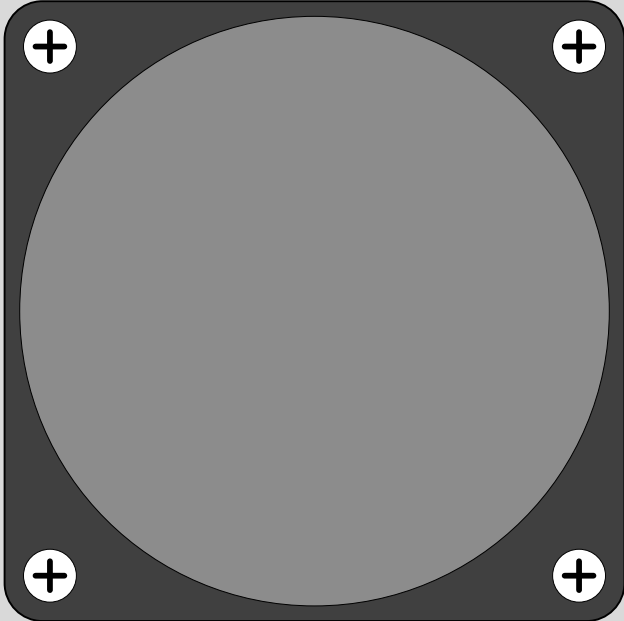


INPUT
6VPPMAX 2.7K Ω

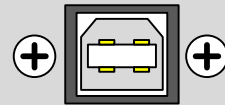


10MHz TIMEBASE

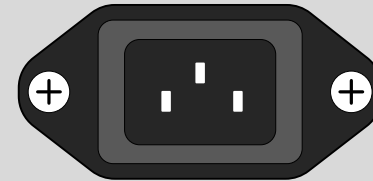
PID : XXXX



USB



POWER



AC100V 25VA