## CROWN SERVICE MANUAL MODEL STP-80



## SPECIFICATIONS

TYPE:
11 Transistor, MW/SW 2 Band, 3 Speed, Portable Stereo Radio-Phonograph

MAIN PARTS:
Transistor
 2SB75 $\times 2$ (AF amplifier) 2SB75 $\times 2$ (driver) switch
$50 \mathrm{k} \Omega$, "D" curve, dual, without switch 3 position
rotary switch, 2 section, 8 circuit ST/stereo LP, ceramic DC $9 \mathrm{~V}, 78,45,33-1 / 3 \mathrm{rpm}$
string drive, slide
Dial $\ldots \ldots \ldots \ldots \ldots$ string drive, slide rule
RATING \& PERFORMANCE:
$\frac{\text { Radio Section }}{\text { Receiving Freq }}$

| Receiving Frequency | $\mathrm{MW} 535-1605 \mathrm{Kc} / \mathrm{s}$ <br> SW <br> 4 |
| :--- | :--- |
| $\mathrm{IF} \ldots \ldots \ldots \ldots$ | $\ldots \mathrm{Mc} / \mathrm{s}$ |

Power Source ...... DC 9V, size "D" battery $\times 6$ AC 117 or $220 \mathrm{~V}(\mathrm{AC}$ adaptor
required) Useable Sensitivity $\quad$ SW $42 \mathrm{~dB} \pm 6 \mathrm{~dB} / 7 \mathrm{Mc} / \mathrm{s}$ (W=50mW,S/N=10dB) MW $444 \mathrm{~dB} \pm 3 \mathrm{~dB} / 1000 \mathrm{Kc} / \mathrm{s}$ S/N Ratio $\quad . . . . \ldots$ ) $\mathrm{MW} 28 \mathrm{~dB} \pm 3 \mathrm{~dB} / 7 \mathrm{Mc} / \mathrm{s}$

$00 \mathrm{~mW} \times 2, \pm 400 \mathrm{~mW}$ no signal time: $120 \mathrm{~mA} \pm 40 \mathrm{~mA}$ undistorted: $320 \mathrm{~mA} \pm 40 \mathrm{~mA}$ (include mo
current) $370 \mathrm{~mA} \pm 40 \mathrm{~mA}$ (include motor current)

Dimensions $\ldots \ldots . .13 \times 9-13 / 16 \times 6-3 / 4$ inches

Maximum Sensitivity MW 42dB

Non-working Voltage. 4.5 V or lower
PHONOGRAPH SECTION
Stylus Pressure ....88gr. $\pm \mathbf{I g r}$.

Maximum Output
Power.


Non-working Voltage-5.5V or lower
OTHERS: Weight $\ldots \ldots \ldots \ldots . .{ }^{2} .2 \mathrm{lbs}$

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2SB156A $\times 4$ (power amplifier) CS-47-01 $\times$ 2(temperature
Thermistor $\ldots \ldots$. compensator)
Diode .............. 1N34A(detector)
1N34A(AGC)
IN34A(SW oscillation limiter styrole molded
telescopic, 6 steps, $800 \mathrm{~m} / \mathrm{m}$
ferrite core, $10 \phi \times 120 \mathrm{~m} / \mathrm{m}$
$4 \times 6$ inches, P.D. $\mathrm{Z}=8 \Omega$
2 gang, equal, capacitance $5 \mathrm{k} \Omega$, "D" curve, dual, with (input $=60 \mathrm{~dB}, \mathrm{~W}=50 \mathrm{~mW}$ ) $\mathrm{SW} ~ 31 \mathrm{~dB} \pm 4 \mathrm{~dB} / 7 \mathrm{Mc} / \mathrm{s}$ no signal time : $45 \mathrm{~mA} \pm 15 \mathrm{~mA}$
undistorted: $\quad 250 \mathrm{~mA} \pm 40 \mathrm{~mA}$ $\begin{array}{ll}\text { andistorted: } & 250 \mathrm{~mA} \pm 40 \mathrm{~mA} \\ \text { maximum: } & 300 \mathrm{~mA} \pm 40 \mathrm{~mA}\end{array}$ motor: $\quad 70 \mathrm{~mA} \pm 30 \mathrm{~mA}$

S/N Radio ............ more than $30 \mathrm{~dB} / 1000 \mathrm{c} / \mathrm{s}$ test record PRD 13001 used, at 10 dB down maximum output) Useable Output Power $680 \mathrm{~mW} \times 2, \pm 50 \mathrm{~mW} / 1000 \mathrm{c} / \mathrm{s}$
Speaker ...........
Variable Condenser


Fig. 1

## C11 CROWN MODEL STP-80



Fig. 6

