

RT-1020H

FU

SPECIFICATIONS

Operation 3-motor, 3-head system
4-track 2-channel recording,
4-track 4-channel playback operations

Heads 4-track 4-channel playback head x 1
4-track 2-channel recording head x 1
4-track 2-channel erase head x 1

Motors For reel; 6-pole inner rotor induction motor x 2
For capstan; 4/8-pole hysteresis synchronous motor x 1

Tape speeds 38cm (15in.)/s, 19cm (7-1/2in.)/s

High speed wind times 10-in. reel; 110 sec at
740m (2400 feet) tape
7-in. reel; 90 sec at
370m (1200 feet) tape

Wow and flutter 38cm/s; 0.04% WRMS (0.06% RMS)
19cm/s; 0.08% WRMS (0.10% RMS)

Signal to noise ratio More than 55 dB

Distortion Less than 1%

Frequency response 38cm/s; 30Hz to 22,000Hz \pm 3 dB
19cm/s; 40Hz to 20,000Hz \pm 3 dB

Crosstalk More than 60 dB

Stereo channel separation More than 50 dB

Erase ratio More than 60 dB

Recording bias frequency 125 kHz

Inputs Microphone; 0.25mV to 80mV/20k Ω (1mV reference)
Line input; 50mV to 25V/100k Ω (316mV reference)
DIN; 15mV to 1.5V/1.5k Ω

Outputs Line; 316mV/50k Ω load at 0 VU
Output impedance; 3.3k Ω
DIN; 316mV/50k Ω load at 0 VU
Output impedance; 3.3k Ω
Headphone; 40mV/8 Ω at 0 VU
Load impedance; 4 to 16 Ω

Subfunctions 3-position bias selector
2-position recording equalizer selector
Pause lever (locking, also used as lag canceller)
4-digit tape counter
Tape monitor switches (L ch. and R ch.)
for LEVEL METER and HEADPHONE
Mic recording level control
Line recording level control
Output level control

Power requirements AC. 120V 60

Power consumption 115

Dimensions 440(W) x 431(H) x 227(D)mm
(including feet and reel shaft)
17-5/16(W) x 17(H) x 8-15/16(D)

Weight Without package; 21.5kg (47 lb 4 oz)
With package; 26.5kg (58 lb 4 oz)

Furnished parts 10-in. metal reel (Pioneer PR-100)
10-in. reel adaptors
(Pioneer PP-220)
Reel adjusting sheets
Connection cords
Splicing tape
Cleaning kit
Cleaning ribbon
AC. power cord
Fuse (2A)
Operating instructions

NOTE:
Specifications and the design subject to possible modification without notice due to improvements.

NOTES:
 5.1 MONITOR SW (TAPE)
 5.2 REAR OF SW (2 CH)
 5.3 FRONT REAR SELECTOR SW (FRONT)
 5.4 TAPE SPEED SW (38cm/s)
 5.5 REC EQ SW (STANDARD)
 5.6 REC MODE SW (LOFF)
 5.7 BIAS SELECTOR SW (STANDARD)
 RESISTORS
 IN Ω, 1/4 W, 5% TOLERANCE UNLESS OTHERWISE NOTED.
 CAPACITORS
 IN μF UNLESS OTHERWISE NOTED. P=pF.



