



**Communications Recording Systems,
Voice Logging Recorders, and Audio Products**
Serving the Public Service Sector Since 1967

Half Rack Voice Logging Recorders (805C)



Features:

- Unit for instant recall and archival recording of telephone and two-way radio communications using standard audio-cassette tapes (External speaker required)
- Two voices activated or manually controlled recording channels provide up to 2 hours of recorded conversations.
- Variable tape speed.
- Front panel VOX sensitivity controls.
- RS-232 Control Interface for computer control of logger functions.
- Audio Delay Option.
- Standard 115/220 VAC. Options for 12,24 or 48 VDC power.
- Two units mount in EIA standard 19" rack space.



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Rear View



Half Rack Voice Logging Recorders (805C) Specifications

Recording Media	Magnetic Tape in Cassette (Philips Standard)
Channels	2
Tracks	4
Tape Speed	1.875 IPS Variable Speed Optional
Motor	D.C. Servo controlled
Heads (Record)	Separate from Play Head
Heads (Play)	Separate from Record Head (Provides tape monitor during recording)
Frequency Response	100hz - 10khz ($\pm 3\text{db}$, 1kRef.)
Harmonic Distortion	3% or Less
Signal to Noise Ratio	40db or better
Record and Era Bias	100 kHz
Start-Stop Control	Automatic, voice operated switch (Vox). Manual control connections are also provided. Each channel is independent
VOX Sensitivity	Adjustable. -20 DBm (77Mv) minimum to -3 DBm. .
VOX Hold Time	4 Seconds.
Input Requirements	-20dBm (77mV) +8dBm (1.9V). Source Loading 33k ohms. BNC Connectors



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Record control	Automatic VOX or Manual. (Each Channel Independent).
Record Level	AGC with Limiter (AGC defeatable on one channel for time code recording)
Wow And Flutter	Within 0.20% (JIS)
Metering	LED's
Motor Start Time	100 ms or less
Replay Ability	A 30 second recorded conversation can rewind and playback stored in 3 seconds
Audio Output	1.0 V P-P into 600 Ohms BNC, Rear Panel
Headset Output	600 Ohms, Jack provided, Front Panel switch allows monitoring channel 1, Channel 2 or both
Power Requirement	115/230 VAC (50-60Hz) User Switchable +12 or 24 VDC Optional
Tape Low warning	Flashing (LED) Indicators
System Status Indicators	LEDs
Size	5.25' High Mounts in an optional 805-MP-2 Rack Frame.
Temperature	Operating -5°C to 50°C. Extended Operating (special order) -32° to +53°C. Storage -40°C to +70°C
Weight	12 lbs, (5.5kg)
Optional Computer Interface Specifications:	
Interface Standard	RS-232-C
Baud Rate	9600 (Other rates available)
Command Set Format	ASCII
Computer-To-Recorder Commands	Stop
	Record (Ready)
	Record On/Off
	Rewind
	Fast Forward
	Play
	VOX Enable/Disable
Recorder-To-Computer Status Information	
Status	
VOX #1	ON/OFF
VOX #2	ON/OFF
Record Ready	ON/OFF
Tape Status	OK/CHECK/LOW
Recorder Status	All of the above
Connector Provided	DS-9 Female. Rear Panel Mounted
Device Address	DIP Switch. Accessible at Rear Panel

2006-11-11