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DA-PCM HS

High speed PCM recorder up to 1280 kbit/s

- Bit rate 80...1280 kbit/s (TTL level)
- Voice channel for commends
- Recording time 180 minutes with DT180 cassette
- Error correction (Double encoded Reed Solomon Code)
- Weight 1000 grams
- Very resistant against shock (10g) and vibrations (5g)
- Small size (160 x 85 x 65 mm)
- Power 10...18V or 18...32V DC, 8 Watt

DA-PCM HS recorder is a special development only for record and replay of PCM coded data streams.

First mode:

The most flexible method is available when PCM data and a pulse clock are present at the encoder. In this case each different PCM coded data can be recorded and reproduced with a data rate of 80 up to 1280 kbit/s.

Second mode: (OPTION)

When only the PCM coded data without clock is provided form the encoder, record and replay is only possible with a corresponding option. In this case is only one bit rate for a special PCM code possible. Please inform us about the desired bit rate and PCM code when order.

Bit rate:

The maximum bit rate of 1280 kbit/s is only possible, if the bit rate and the clock have the same frequency. For some PCM codes such as e. g. Miller code the double clock rate is limited to a maximum of 640 kbit/s. This fact also concern mode one and two.

Remote control

Additive to the normal DAT recorder handling buttons, there is an input for record start/ duration available. Via opto coupler (galvanic isolation) the pulse width (with a potential of 5 up to 30 V) start and regulate the duration . The pulse must have a potential of 5 up to 30 V)

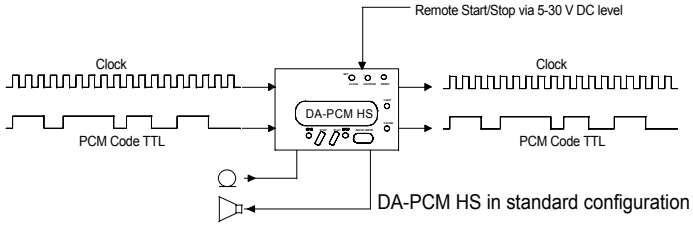
Tape deck function

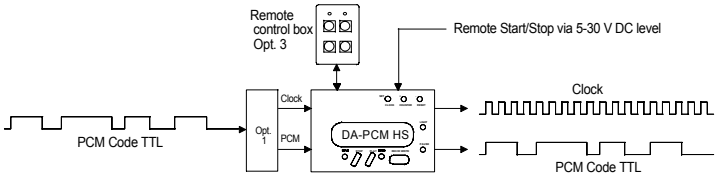
Record - Play - Stop - Pause - Fast forward - Fast reverse

Technical data's

Bitrate:	With available clock and PCM 80 ... 1280 kbit/s without clock (only PCM) only 1 bit rate between 80 ... 1280 kbit/s Miller code max. 640 kbit/s (Option)
Level:	TTL
Clock generator:	Only if not present clock signal for recording PCM code (Option)
Input impedance:	100 kΩ
Output impedance:	10 Ω, max 10 mA
Remaining jitter:	max. 1%
Voice channel:	400-3000 Hz, resolution 8 bit
Event marker:	1 ... 99, automatic start of recording
Internal Clock:	year - month - day - hour - min. - sec. (absolute time and recording time)
Remote control:	Start recording/Stop via 5 .. 30 V DC level
Remote control box:	Record - Play - Stop - Pause (Option)
Tape counter:	0 ... 120 min, resolution 1 sec. recorded time and remaining time display
Tape deck:	Cassette "DAT format (Digital Audio Tape)" Recording time "3 hours with DT 180 cassettes" Recording format "Helical scan recording DAT format" Error correction "Double encoded Reed Solomon Code"
Environmental:	Vibration "5g - Std 810C curve C" Acceleration "10g - all directions" Operating temp. "-10°C ... +45°C" Storage temp. "-20°C ... +60°C"
Power:	10...18 or 18...30V DC, 6 Watt
Size:	160 x 85 x 65 mm
Weight:	1000 grams

Technical specifications are subject to change without notice!





Pulse diagram DA-PCM HS