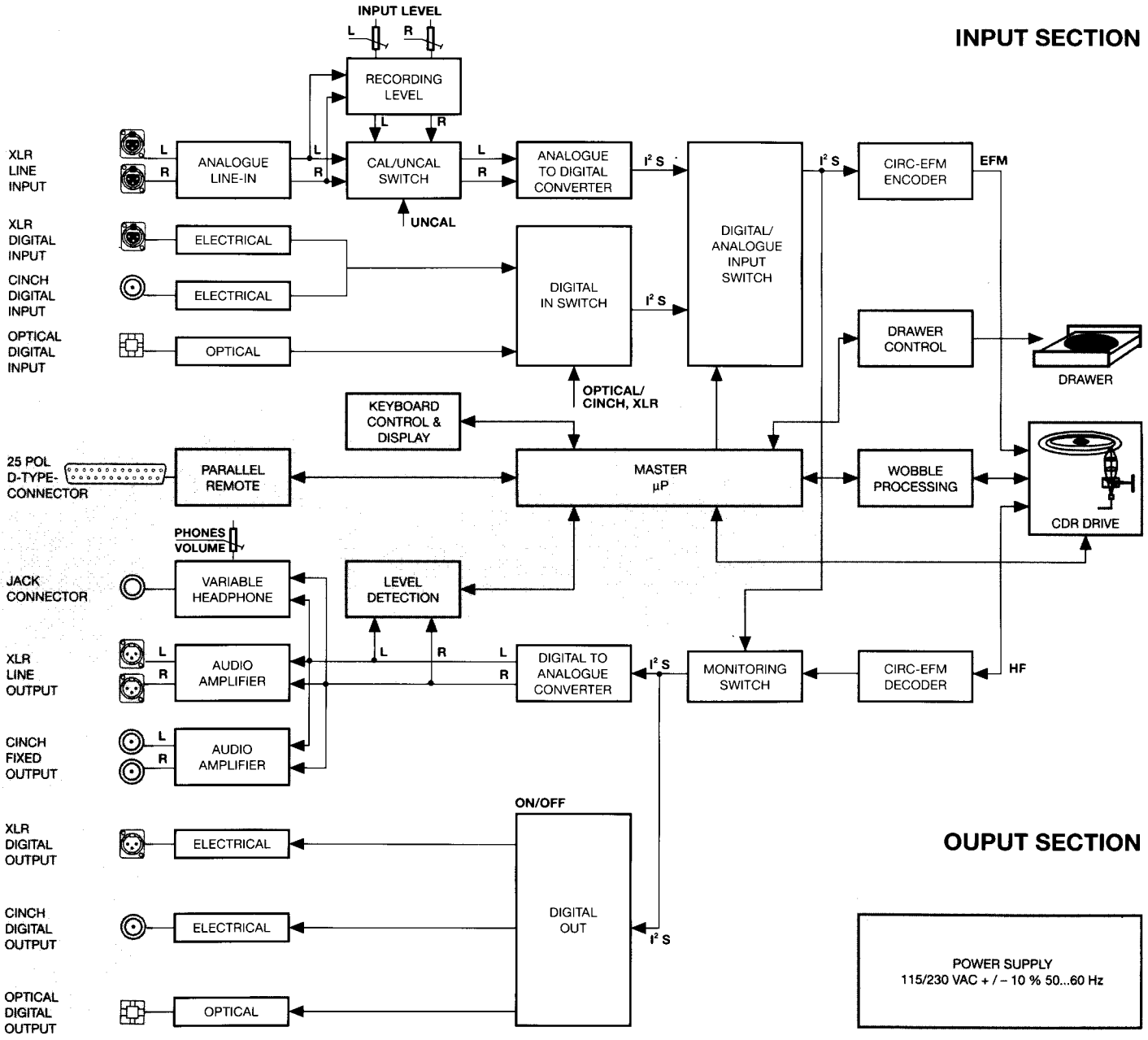
STUDER

CDS SERIES a STUDER and PHILIPS Development

D740

Professional CD Recorder



Some photos show options offered at additional cost.

We reserve the right to make alterations as technical progress may warrant.

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STUDER

PROFESSIONAL AUDIO EQUIPMENT

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1.5 Technical data of the D740

1.5.1 Description

Equipment typ	Compact-Disc-Recorder
Compatibility	Red Book and Orange Book part II
Display	▪ **Tracktime:** Elapsed time in Min./s ▪ **Remaining Tracktime:** Remaining tim to the end of a title ▪ **Total Rem. Time:** Remaining tim to the end of the CD (CD-R)

1.5.2 Electrical data

Audiodata:	**Frequency response**	**± 0,3dB**	20Hz ...20kHz, record and reproduce
	Sampling frequency	**44,1kHz**	
	A/D converter	Delta-Sigma 64x oversampling	
	D/A converter	1-bit-stream-converter	
	THD and noise	**< 0,008%**	-1dB, 20Hz...20kHz record and reproduce
	Channel seperation	**> 80dB**	20Hz...20kHz record and reproduce
	Channel balance	**< 0,2dB**	20Hz...20kHz record and reproduce
	Phase response	**< ±3°**	20Hz...20kHz record and reproduce
	Phase response	**< ±1°**	20Hz...20kHz, reproduce only
Inputs, analog:	**Input left / right**	**Transformer balanced**, floating, XLR	
	Input impedance	**> 10kΩ**	20Hz...20kHz, 0dBu
	Max. input voltage	**+24dBu**	(balanced)
	Sensitivity CAL:	**+6...+24dBu**	for peak level recording internally adjustable
	Standard factory setting:	+15dBu ±0,1dBu	
	Sensitivity UNCAL:	**max. +10dB** Gain	

Inputs, digital:	**AES/EBU**	**Transformer balanced**, floating, XLR	
	Input impedance	**110Ω**	
	Sampling rate	**44.1kHz** ±100 ppm	
	SPDIF coaxial	Unbalanced on cinch	
	Input impedance	**75Ω**	
	SPDIF optical	Toslink	
Outputs, analog:	**OUTPUT left / right**	**Transformer balanced**, floating, XLR	
	Output impedance	**40Ω**	20Hz...15kHz, 0dBu
	Output level	**+6...+24dBu**	for full scale recording
	Standard factory setting:	+15dBu ±0,1dBu	
	Output level	**+24dBu**	600Ω Load
		+22dBu	200Ω Load
	Fixed OUTPUT left / right	**unbalanced** on Cinch-sockets	
	Output level	**2Vrms**	for full scale recording
	Output impedance	**< 250Ω**	
Phones:	**Output level**	**0 ...6V** (open)	
	Ausgangsimpedanz	**150Ω**	
Outputs, digital:	**AES/EBU**	**Transformer balanced**, floating, XLR	
	Impedance	**110Ω**	
	SPDIF coaxial	**With transformer, unbalanced,** on cinch	
	Impedance	**75Ω**	
	SPDIF optical	Toslink	

1.5.3 Peripheral connections

Parallel-Remote

Parallel remote on 25-pin D-type connector.

- Fader start logic
- Feedback for tape deck functions

1.5.4 Power supply

Voltage selector	**Line voltages**	**100V, 120V, 220V, 240V** ±10%
	Mains frequency	**50 ...60 Hz**
	Power consumption	**< 40 VA**
Power fuses	**100... 120V:**	T 630mA (IEC)
	100... 120V USA, CND	T 600mA (UL / CSA)
	220... 240V:	T 315mA (IEC)
Power connection	3-Pole with protective ground	

1.5.5 Environmental operating specifications

Ambient air temperature	**+15° ...+40°C**	(Function)
	+15° ...+35°C	(Specificationen)
Relative humidity	**Category F**	(DIN 40040)
Operation position	**Horizontal** (±5 degrees)	
Power failure	80 ms	

1.5.6 Dimensions

Dimensions:	**Overall dimensions**	**483 × 132,5 × 351 mm** including rack ears and pads	(W × H × D)
	Installation clearance, height	**132,5 mm**	(3HE)
	Installation clearance, height	**420 mm**	without rack ears
Weight:	**10 kg**		

1.5.7 Safety

Safety standard	**EN 60065 / IEC 65**
EMC-Standard	**EN 50081-1 / EN 50082-1**
Laser	**IEC 825 Class 3B**