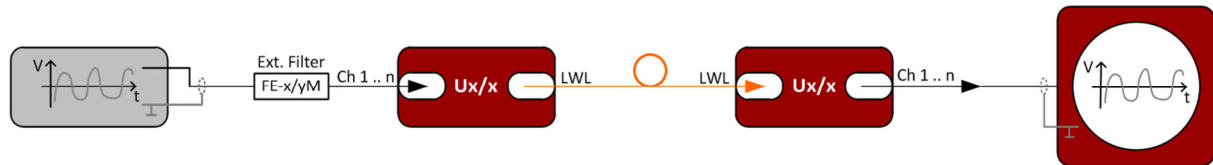


Field of application and characteristics

The **U**-system can be used for the optical transmission of analog voltage signals outside the ALC or to transmit a stimulus inside the chamber (with optional output filter). It consists of a battery supplied transmitter and an also battery supplied receiver connected to each other with an optical fiber. With the optical transmission, the shielded case and external filter, the system is well equipped for EMI and EME tests.



Technical data

Channels:	8
Resolution:	12Bit (10Bit eff.)
Frequency range:	DC ... 1,5MHz (depending on ext. filter)
Input:	+/- 15V; SMA (SUB-D or others available on request)
Input impedance:	1MΩ; approx. 8pF
Output:	+/- 15V; BNC; max. 50mA; short circuit protection (short time)
Output impedance:	approx. 50Ω
Sampling rate:	10MS/s at each channel
Power supply:	7 NiMH cells with 4 Ah; 10h with one additional external battery; five-poled charge plug
Case dimensions:	transmitter: 190mm x 86mm x 65mm aluminum case with rubber protectors receiver: table top case
Weight:	approx. 1000g
Misc.:	different ext. filters (frequency range) available

Optical fiber

Connector / Type:	FSMA / simplex-multimode fiber 62,5/125μm
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