

# U-PAD

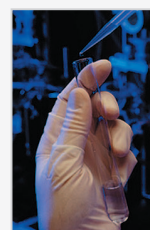
## External USB A/D Converter Unit

U-PAD is a miniature external measuring unit designed for acquisition of data from any chromatograph for the CSW32 station.

U-PAD uses the USB communication channel and thus is directly powered from the PC. The unit can be connected or disconnected anytime without the necessity of disconnecting the computer.



U-PAD is a small, portable unit independent of power that enables one to collect chromatographic data.



# U-PAD

## External USB A/D Converter Unit

The unit contains two independent channels with the latest 24-bit A/D converters capable of higher effective resolution especially at higher frequencies and at lower voltage ranges. The input connector is compatible with the internal INT7 board.

### Technical data

Converter type :	24-bit integrating, sigma - delta
Inputs :	differential, isolated
Number of channels :	2
Input range :	± 156, 1 250 or 12 560 mV
Input impedance :	1 MOhm
Integration frequency :	6.25, 12.5, 25, 50 and 100 Hz (50 Hz rejection) 7.5, 15, 30, 60 and 120 Hz (60 Hz rejection)
Non-linearity :	< 0.0015 %
Number of digital inputs/outputs :	2/2 (TTL level), direct and isolated
Dimensions :	100 x 55 x 16 mm
Weight :	110 g
Power supply :	from the PC via the USB cable
Internal memory :	none

### Noise free resolution for various acquisition speeds and input ranges:

	12 560 mV	1 250 mV	156 mV
6.25 Hz	22 bit	22 bit	20 bit
12.5 Hz	21 bit	21.5 bit	20 bit
50 Hz	20.5 bit	21 bit	19 bit
100 Hz	20 bit	20 bit	18.5 bit

