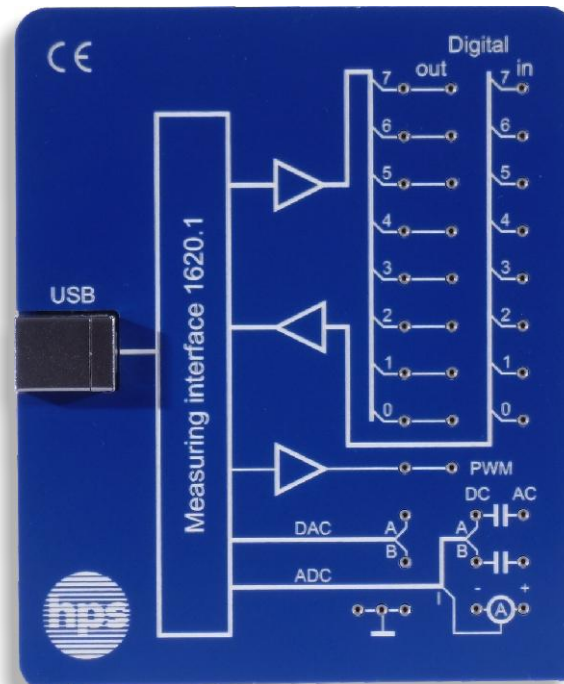


USB Measuring Interface with Measuring- and Visualization Software

The additional technical measurement for LabLine and other hps products



Measuring Interface (Type 1620.1)

Technical Datas Hardware

Interface:	- USB 1.1 or higher	ADC A / B:	- Analogue digital converter - Two inputs (A / B) - Input voltage 0 ... +/- 10 V, DC or AC - Separate input for DC and AC per channel
Digital:	- 8 outputs (OUT D0-D7) Level OUT / IN 5 V TTL Output current max. 15 mA - 8 inputs (IN D0- D7) Level IN 5 V TTL Input voltage max. +5.5 V	Ammeter:	- For measuring current DC / AC - Input voltage max. +/- 10 V - Input- / current range +/- 30 mA
PWM:	- Pulse width modulation Output 0 ... 100 kHz, square Pulse width adjustable from 0 ... 100 % Output voltage 5 V, +/-10 % Output current max. 30 mA	Dimensions:	- Length 90 mm - Height 110 mm - Depth 15 mm
CAC A / B:	- Digital analogue converter - Two outputs (A/B) - Output voltage adjustable 0 ... +/-5 V - DC offset adjustable -5 V / +5 V - Signal forms adjustable via software DC, sine, saw tooth, square - Output current max. 30 mA	Weight:	- Approx. 150 g
		Material:	- Laminate
		Colour:	- Navy blue
		Symbols:	- White lasered

Technical Data Software (1620.1 EVGB)

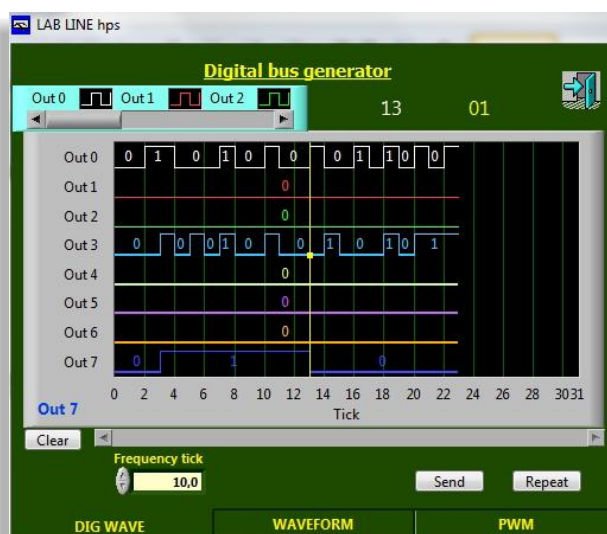
System requirement: Windows
XP / Vista / Win7-32/64 bit

Interface: USB 1.1 or higher

Software CD: 1620.1 EVGB

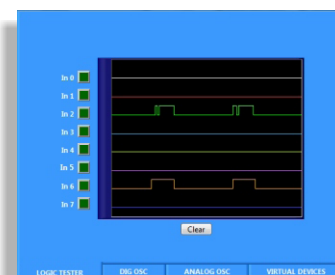


DIG WAVE (Digital Bus Generator)



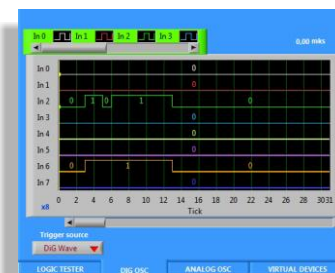
Generation of bit pattern: Outputs: Digital out 0 - 7

LOGIC TESTER



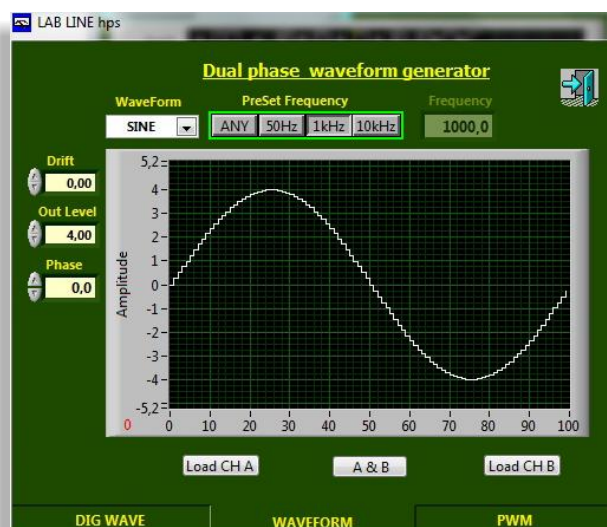
Inputs:
Digital in 0 - 7

DIG OSC (Digital Oscilloscope)



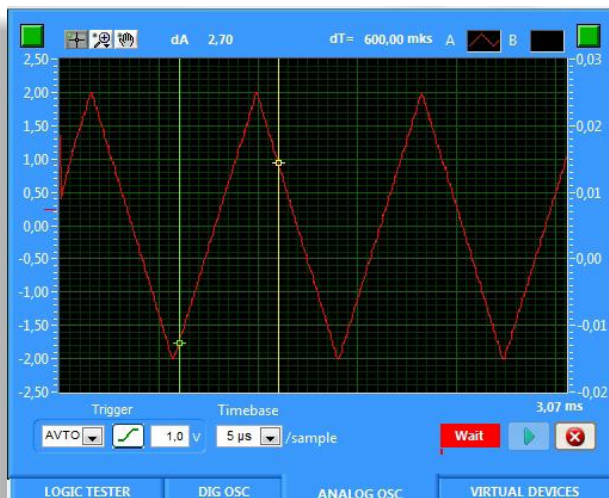
Inputs:
Digital in 0 - 7

DUAL PHASE WAVEFORM GENERATOR



- Sine generator
- Triangle generator
- Saw tooth
- Square generator
- DC generator
- ANY (any signal is possible)
- Voltage adjustable +/- 5 V
- Frequency adjustable 0 ... 10 kHz
- Frequency 50 Hz, 1 kHz, 10 kHz
- DC offset +/- 5 V
- Phase 0 ... 360°

ANALOGUE OSC

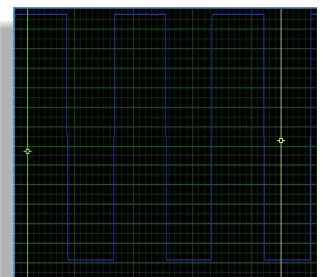
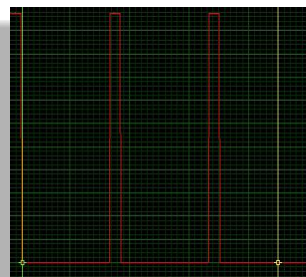


- Two channel oscilloscope
- Input voltage max. 0...10 V
- Frequency approx. 10 kHz
- Trigger Auto, Ch-A and Ch-B, pos. / neg.
- Variable time base 5 µs ... 5 ms / sample
- Autoscale function
- Zoom function
- Cursor, to read the values directly
- Colours and parameters of the display are adjustable

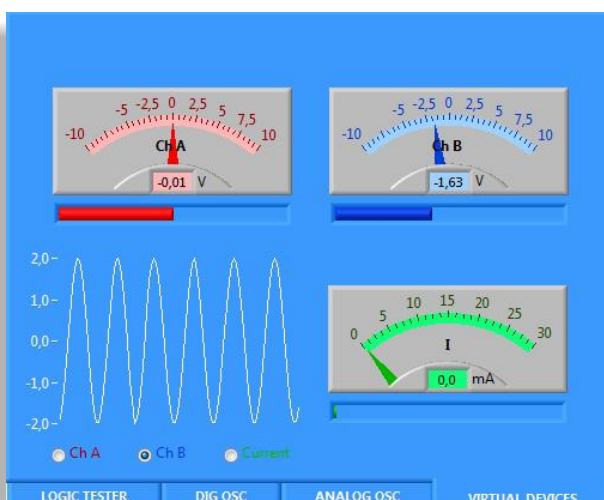
PWM WAVEFORM GENERATOR



- PWM Generator
- Frequency 0 ... 100 kHz, 0 ... 5 V
- Pulse width 0 ... 100% adjustable



VIRTUAL DEVICES



- Analogue display for Ch-A and Ch-B
- Free scalable, with value and beam display
- Writing function
- Analogue display for the current input
- Free scalable, with value and beam display

