

# 2 Channel USB Scope, up to 2 MS/s

MEphisto Scope 1 - 16 bit Digital Scope in Robust Metal Housing



USB,  
Mobile



- Robust **2 channel USB scope**, small and compact.
- **16 bit** resolution, **2 MS/s** sampling rate, up to 2x 1 MS/s simultaneous sampling.
- Professional, reliable **metal housing**.
- **BNC connectors** for reliable connectivity of standard probes.
- Pair of probes available as an option (see accessories).
- Input range up to  $\pm 10$  V.
- 24 additional, discrete **TTL digital I/Os**: Each bit/line programmable as input or output.
- Digital channels expandable with optional accessories (ME-UB series): Relays or opto-isolation.
- USB 2.0 Full-Speed.
- Virtual scope software included.

**Model:**  
MEphisto  
Scope 1

**Platform:**  
 PCI  
 PXI/cPCI  
 USB  
 Other

**Functions:**  
 Analog I/O  
 Digital I/O  
 Temp./°C  
 Interfaces  
 Instrument  
 Logger  
 Isolation  
 Accessory  
 Software



## Software:

ME-Power-CD included:

- MEphisto scope software
- "Soft manuals" in English and German for Acrobat Reader/PDF

## Ordering Code:

### MEphisto Scope 1 (UM202)

16 bit, 2 MS/s USB scope, robust metal housing, incl. CD-ROM with software and PDF manual as well as USB cable

### ME-Probe LF pair

Optional accessories

### ME-UB series

External expansion boxes with relays or opto-isolation

### ME AK-DUB/UM202

Cable for 3 ME-UB boxes at MEphisto Scope: 26-pin D-sub (HD) female and 3x 15-pin D-sub male + connector for external power supply of the ME-UB boxes

**Web Link:** [www.meilhaus.com/e\\_me](http://www.meilhaus.com/e_me)

Optional accessories: Passiv probe pair (not included)



## Specifications:

### Analog Inputs

Number	2
Resolution	16 bit
Sampling rate	(2 channels) 1 MS/s
Simultaneous channels	2x 1 MS/s simultaneous sampling
Range	$\pm 100$ mV... $\pm 10$ V
Analog bandwidth	(-3 dB) 5 MHz
Sample memory	256 kS
Trigger modes	Threshold, window, edge, dV/dt, delay, manual

### Digital I/Os

Number	24 discrete channels (each bit/line programmable as input or output); expandable with relays or opto-isolation with optional accessories (ME-UB series)
Level	TTL

### General Data

USB	USB 2.0 Full-Speed
Power supply	From PC via USB
Connectors	Frontpanel: 2x BNC (channels A and B, one status LED each), back panel: USB type B female, 26-pin HD D-sub female (digital I/O)
Size (mm)	Board (without housing) ~ 100 x 110

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