



Multichannel Lock-in Measurement System

Standard price list

Hardware

Chassis MCL1-540-S-B

- » 19" rack-mount chassis 1U, embedded controller, 40 W power supply
- » Up to 5 modules and two embedded systems, USB 2.0 and 1000BASE-T Ethernet interface
- » 10 RJ45 signal connectors
- » 2 frequencies, frequency range DC – 500 kHz, 15 lock-ins, 30 configurable demodulators in total
- » Synchronous X, Y, DC, R and θ for each lock-in
- » Phase resolution 64 bit, integral resolution 96 bit
- » Sine, square-wave, triangle, sawtooth output
- » Frequency, amplitude, offset & duty cycle programmatically controllable
- » DAC / oscilloscope 10k points, FFT

5 950 EUR / 6 900 USD

Modules - all types

- » 1 analog output 1 MSPS 20 bit, $\pm 10/1.0/0.1$ V full range, 50 mA current output, 100 kHz bandwidth
- » 2 differential analog inputs + current measurement of output current, 1 MSPS 18 bit
- » ± 10 V full range, preamplifier 1 – 5000 in 12 steps

Module MCL1M-112-1.8

- » AC/DC coupling 0.5 Hz break frequency, <1.8 nV/ $\sqrt{\text{Hz}}$ noise floor @ 1 kHz, <10 nV/ $\sqrt{\text{Hz}}$ @ 1 Hz
- » 1 G Ω input impedance, typical 15/0.5 nA input bias/offset current, 100 kHz bandwidth @ 2 mV full range

3 950 EUR / 4 550 USD

Module MCL1M-112-2.0

- » AC/DC coupling 0.5 Hz break frequency, 2.0 nV/ $\sqrt{\text{Hz}}$ noise floor @ 1 kHz, <10 nV/ $\sqrt{\text{Hz}}$ @ 1 Hz
- » 1 G Ω input impedance, typical 5/0.5 nA input bias/offset current, > 100 kHz bandwidth @ 2 mV full range

3 950 EUR / 4 550 USD

Module MCL1M-112-4

- » AC/DC coupling 0.2 Hz break frequency, 3.8 nV/ $\sqrt{\text{Hz}}$ noise floor, <15 nV/ $\sqrt{\text{Hz}}$ @ 1 Hz
- » 30 G Ω input impedance, <1 nA input bias current, > 100 kHz analog bandwidth

3 950 EUR / 4 550 USD

Module MCL1M-112-18

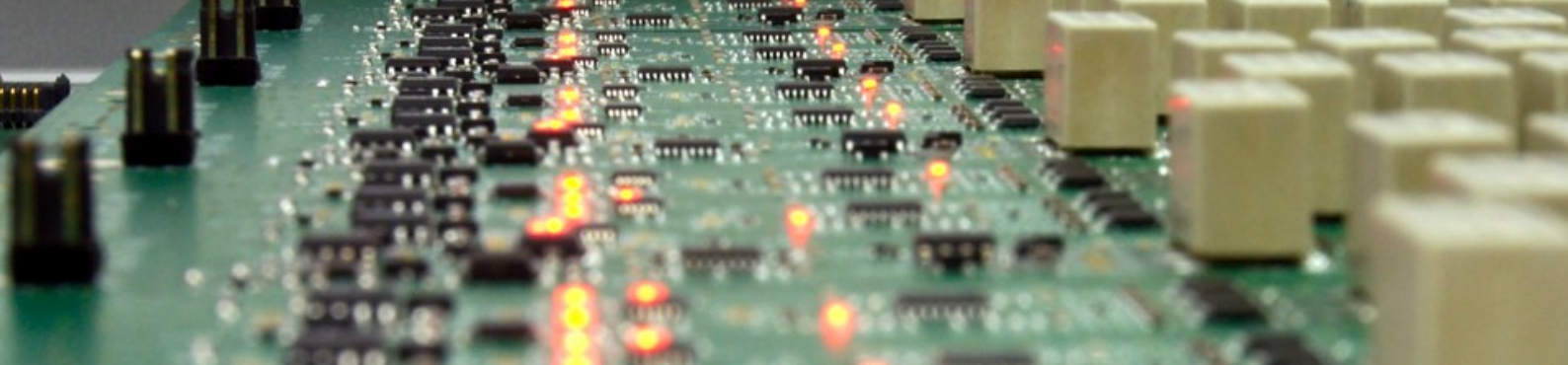
- » AC/DC coupling Hz break frequency, 18 nV/ $\sqrt{\text{Hz}}$ noise floor, <70 nV/ $\sqrt{\text{Hz}}$ @ 1 Hz
- » > 1 T Ω input impedance, typical 10 pA input bias current, 10 kHz bandwidth @ 2 mV full range

3 950 EUR / 4 550 USD

Extended warranty EW-3

- » Extended warranty three years, general warranty conditions apply

15% of hardware price



Accessories

Breakout box BB8-BNC32

- » Breakout 8 RJ45 to 32 BNC, 19" rack-mount 3U

1100 EUR / 1250 USD

Breakout box BB8-BNC64

- » Breakout 8 RJ45 to 64 BNC, 19" rack-mount 3U

1350 EUR / 1550 USD

Breakout box BB-BAN

- » Breakout RJ45 to Banana, 19" rack-mount 5U

1650 EUR / 1900 USD

Fischer connection box FSCHR

- » 3xRJ45 to Fischer SFPU105A093-80GF

310 EUR / 360 USD

RJ45 signal cables

- » S/FTP Cat7 patchkabel LSZH with individually shielded twisted pairs
- » 0.3 / 0.5 / 1 / 2 / 3 / 5 / 7 / 10 / 15 / 30 m

9 / 14 / 16 / 21 / 28 / 33 / 40 / 50 / 68 / 82 EUR
10 / 16 / 18 / 23 / 31 / 37 / 44 / 56 / 76 / 92 USD

All prices are according to Incoterms 2010 EXW Stockholm, Sweden. Prices based on payment terms prepayment/net 30. Reservation for misprints. Credit card payment fee: 4.5%. Volume discount: 5%/10% on chassis and modules for systems with 4/5 modules. Version 2.6, 2026-01-08, valid from 2026-02-01