

HALL PROBES PRICES**A) HALL PROBES MAGNETIC FIELD TRANSDUCERS F3A AND FOR OEM CUSTOMERS**

DESCRIPTION	PRICE (CHF)
1. Base Price for 3-axis Hall Probe with temperature sensor, without connector & not calibrated for OEM For quantity discounts please contact SalesMagnetics@senis.ch	1'900
2. Base Price for 3-axis Hall Probe with temperature sensor, fully calibrated, detachable at probe-to-electronics-adapter and with 2m cable. Probe Types: A, B, D	2'900
3. Base Price for 3-axis Hall Probe, fully calibrated, detachable at probe-to-electronics-adapter and with 2m cable. Probe Types: C, E, G, H, K	3'000
4. Additional price for thick cable per meter extension	70
5. Additional price for thin cable per meter extension	200
6. Additional price for extended operation temperature range (+5°C up to +100°C), per measured axis (engineering report included)	200
7. Replacement & calibration of the 3-axis Hall Probe firmly connected to the already delivered magnetic transducer. Probe Types: A, B, D, C, E, G, H, K	1'900

B) HALL PROBES MAGNETIC FIELD TRANSDUCERS F1A AND FOR OEM CUSTOMERS

DESCRIPTION	PRICE (CHF)
1. Base Price for 1-axis (Y) Hall Probe with temperature sensor, without connector & not calibrated for OEM For quantity discounts please contact SalesMagnetics@senis.ch	1'350
2. Base Price for 1-axis (Y) Hall Probe, fully calibrated, detachable at probe-to-electronics-adapter. Probe Type: A	2'000
3. Base Price for 1-axis (Y) Hall Probe, calibrated, detachable at probe-to-electronics-adapter. Probe Types: C, G, H, K	2'100
4. Additional price for cable per meter extension	70
5. Additional price for extended operation temperature range (+5°C up to +100°C), engineering report included	200
6. Replacement & calibration of the 1-axis (Y) Hall Probe firmly connected to the already delivered magnetic transducer. Probe Types: A, C, G, H, K	1'350

C) HALL PROBES MAGNETIC FIELD TRANSDUCERS I1A

DESCRIPTION	PRICE (CHF)
1. Base Price for 1-axis (Y) Hall Probe with temperature sensor, fully calibrated and with 2m cable; Probe Types: A	1'500
2. Base Price for 1-axis (Y) Hall Probe with temperature sensor, fully calibrated and with 2m cable; Probe Types: C, G, H, K	1'600
3. Additional price for cable per meter extension	70
4. Additional price for extended operation temperature range (+5°C up to +100°C), engineering report included	200

D) MAGNETIC FIELD TRANSDUCERS H3A AND FOR OEM CUSTOMERS

DESCRIPTION	PRICE (CHF)
1. Base Price for 1-axis Hall Probe with temperature sensor, without connector & not calibrated for OEM For quantity discounts please contact SalesMagnetics@senis.ch	600
2. Base Price for 3-axis Hall Probe with temperature sensor, without connector & not calibrated for OEM For quantity discounts please contact SalesMagnetics@senis.ch	1'500
3. Base Price for 3-axis Hall Probe, fully calibrated, detachable at LEMO connector with 2m cable. Probe Types: I, J, N, P, S	4'400
4. Additional price for cable per meter extension	70
5. Replacement & calibration of the 3-axis (Y) Hall Probe firmly connected to the already delivered magnetic transducer. Probe Types: I, J, N, P, S	3'500

MAGNETIC FIELD MEASUREMENT EQUIPMENT - CALIBRATION PRICES

To ensure that the equipment continues to operate within its specifications, it should be periodically re-calibrated. We recommend re-calibration within the time interval of 12 months.

SENIS offers its customers re-calibration service for Magnetic Field Transducers/Teslameters at following Price:

E) MAGNETIC FIELD TRANSDUCERS / within the recommended calibration period of 12 months/

DESCRIPTION	PRICE (CHF)
1. Single-axis magnetic field transducers Sensitivity & Linearity calibration	450
2. Two-axis magnetic field transducers Sensitivity & Linearity calibration	550
3. Three-axis magnetic field transducers Sensitivity & Linearity calibration	650

F) MAGNETIC FIELD TRANSDUCERS / after the recommended calibration period of 12 months/

DESCRIPTION	PRICE (CHF)
1. Single-axis magnetic field transducers Sensitivity & Linearity calibration	500
2. Two-axis magnetic field transducers Sensitivity & Linearity calibration	650
3. Three-axis magnetic field transducers Sensitivity & Linearity calibration	800

G) DIGITAL TESLAMETERS / within the recommended calibration period of 12 months/

DESCRIPTION	PRICE (CHF)
1. Single-axis Digital Teslameter re-calibration	450
2. Two-axis Digital Teslameter re-calibration	500
3. Three-axis Digital Teslameter re-calibration	550

H) DIGITAL TESLAMETERS / after the recommended calibration period of 12 months/

DESCRIPTION	PRICE (CHF)
1. Single-axis Digital Teslameter re-calibration	500
2. Two-axis Digital Teslameter re-calibration	600
3. Three-axis Digital Teslameter re-calibration	700

NOTES:

- *For Probe Arrays* a discount of 10% of the total price will be provided for each additional probe

ADDITIONAL OPTIONS:**I.1) DC Calibration Table**

The Calibration Table of the transducer can be ordered as an option. The calibration table is an Excel-file, giving the actual values of the transducer output voltage for the test DC magnetic flux densities measured by a reference NMR Teslameter. The Calibration Table covers the linear range of magnetic flux density \pm BLR in the steps of BLR/20.

DESCRIPTION:	PRICE (CHF)
1. Single-axis magnetic field transducers DC Calibration Table	450
2. Two-axis magnetic field transducers DC Calibration Table	550
3. Three-axis magnetic field transducers DC Calibration Table	650

I.2) FREQUENCY RESPONSE CHARACTERIZATION

This is an Excel file, giving the actual values of the transducer transfer function (complex sensitivity and Bode plots) for a reference AC magnetic field.

The standard frequency response calibration table covers the transducer bandwidth Bw, in the steps of Bw/20 from DC to Bw. We recommend frequency response characterization at the acquisition of new equipment in the following cases:

- *for SENIS analogue Magnetic Field Transducers and Digital Teslameters based on fully integrated 3-axis or 1-axis Hall sensors with high-level output voltage signals from the Hall probe:*
 - if the product MAGNETIC FIELD RANGE x FREQ. BANDWIDTH > 5 T x kHz
 - if the FREQ. BANDWIDTH > 2.5 kHz
- *for SENIS High-Resolution Hall Magnetic Field Transducers based on the improved spinning-current technique for the offset and noise reduction (such as Low-Noise Magnetic Field Transducers):*
 - if the FREQ. BANDWIDTH > 1 kHz
- *for SENIS Magnetic Field Transducers based on the integrated Hall sensors which do not include signal amplifiers or spinning-current technique:*
 - if the FREQ. BANDWIDTH > 100 Hz.

The frequency response of a Transducer or Teslameter does not change over time; therefore, a re-characterization of the frequency response is not necessary. However, if the structure of the equipment was modified (for example, the probe cable was shortened or extended), then a re-characterization of the frequency response is strongly recommended.

DESCRIPTION:	PRICE (CHF)
1. Single-axis magnetic field transducers Frequency Response Table	450
2. Two-axis magnetic field transducers Frequency Response Table	550
3. Three-axis magnetic field transducers Frequency Response Table	650

NOTES:

- *DC Calibration* of Magnetic Sensitivity is performed in the range up to $\pm 2T$. The total calibration accuracy is provided by using a NMR Teslameter as a magnetic field measuring standard.
- *AC Calibration* (i.e. *the Frequency Response characterization*) is performed by an AC magnetic signal of 10mT amplitude, in the frequency range from DC up to doubled frequency bandwidth, produced by a calibrated coil and current source.

TERMS AND CONDITIONS:

1. The Prices are in Swiss Francs (CHF), excluding taxes and delivery fees.
2. All prices are subject to change without notice.
3. The calibration is certified.
4. Repair service should be confirmed between both sides (SENIS AG and the customer) before execution.
5. Delivery: up to 4 weeks after receiving the goods.