



NOVAplus KFZ

VEHICLE EXHAUST GAS ANALYZER



PRICE LIST 2025
VALID 01/01/ - 12/31/2025

NOVA plus KFZ**Portable Vehicle Exhaust Gas Analyzer
with wireless Remote Control Unit (RCU)****BASIC configuration and functions of NOVAplus-KFZ**

- Remote Control Unit RCU-comfort is included
- Bosch Smoke Unit (BSU) measurement with optical densitometer
- Gas sampling probe with steel flexible tube, for exhaust gas temperature up to 500°C
- Large condensate separator with PTFE (Teflon) coated PTFE filter
- Strong, high performance gas sampling pump for high suction sampling
- Automatic zeroing using 3/2-Way solenoid valve
- O₂ referencing (normalization) to user settable value
- n-Hexane measurement with PEF factor storage
- True measurement of NO(x) = NO + NO₂ and NO(x) as mg/m³ NO₂
- Lambda calculation according to Brettschneider formula
- Automatic measurement incl. data logging function
- Ambient air temperature measurement (short plug for ambient air is included)
- Built-in speed printer with easy paper loading
- Mini-USB interface to PC and SD-card slot for large volume data logging, incl. SD-card
- Internal data storage for up to 16.000 measurements!
- High energy Li-Ion battery, for up to 10 hrs. operation time
- Universal grid power supply, 100-240Vac/50-60Hz / 12V dc
- Docking station for remote control with wireless, inductive charging of remote control unit RCU
- Robust metal enclosure mounted inside aluminum framed case
- Low weight (7,5 kg) and size W 470 x D 220 x H 300 mm, durable and easy to transport

**Functions overview RCU:**

- Remote control of all instrument functions
- Backlit 3.5" TFT high resolution color display
- Data storage of measured values and transfer to PC
- SD card (4 GB), mini USB port
- Contactless inductive battery charging
- Li-Ion battery for approx. 30 hrs. mains free operation
- Differential pressure measurement, +/- 100 hPa
- 2 channel temperature measurement
- T-Air measurement
- AUX socket (e.g. for intake of external transmitter)
- Gas flow velocity and mass flow measurement



| NOVAplus KFZ - BASIC ANALYZER | WITH | | QTY | Part No. | Unit price | Discount | Total Price |
|---|------|--|-----|----------|------------|----------|-------------|
| NOVAplus-KFZ, Base Unit, as described above mounted inside rugged aluminum frame case | | | 1 | 947060 | \$7,725.00 | 0% | \$7,725.00 |

| STORAGE AND TRANSPORTATION | QTY | Part No. | Unit price | Discount | Total Price | |
|---|-----|-------------|------------|----------|-------------|--|
| Additional storage for LARGE aluminum transport case (will be mounted below the transport case) | 1 | 65513 | \$191.00 | 0% | \$191.00 | |
| <i>LARGE Case: L 18.50" x W 8.66" x H 4.72" (L 470 x W 220 x H 120mm)</i> | | | | | | |
| Waterproof transport case | 1 | 999-CASE NF | \$484.00 | 0% | \$0.00 | |

| SENSORS - electro chemical - select up to 5 sensors | QTY | Part No. | Unit price | Discount | Total Price |
|---|-----|----------|------------|----------|-------------|
| Sensor OPTION - O2-LL 0 - 25 % | 1 | 11753 | \$522.00 | 0% | \$522.00 |
| Sensor OPTION - CO / H2 compensated 0 - 10,000 ppm overload 20,000 ppm | 1 | 65967 | \$800.00 | 0% | \$800.00 |
| Sensor OPTION - NO with calculated NOx 0 - 1,000 ppm overload 5,000 ppm | 1 | 63937 | \$824.00 | 0% | \$824.00 |
| Sensor OPTION - NO2 For true NOx 0 - 200 ppm overload 1,000 ppm | 1 | 63059 | \$1,118.00 | 0% | \$1,118.00 |
| Sensor OPTION - SO2 0 - 2,000 ppm overload 5,000 ppm | 1 | 63990 | \$1,016.00 | 0% | \$1,016.00 |

| INFRARED MODULES (TRIPLE GAS NDIR) | QTY | Part No. | Unit price | Discount | Total Price |
|--|-----|----------|------------|----------|-------------|
| NDIR Module CO/CO2/HC as n-Hexane 0 ... 2,000ppm / 10.0% 0 -40.0% 0 ... 2,000 / 10,000 ppm | 1 | 12815 | \$3,585.00 | 0% | \$3,585.00 |

| SOFTWARE OPTIONS | QTY | Part No. | Unit price | Discount | Total Price | |
|---|-----|----------|------------|----------|-------------|--|
| MRU4win - "full" version software, for real time data acquisition and handling on PC with Windows10 | 1 | 10539 | \$298.00 | 0% | \$298.00 | |
| <i>NOTE: Option #10538 Bluetooth for RCU is needed (operation via RCU)</i> | | | | | | |
| Bluetooth Module "Low Energy", Dual Mode for Android and IOS (without MRU Software) | 1 | 10538 | \$148.00 | 0% | \$148.00 | |
| <i>NOTE: This option is not retrofittable, it can not be installed inside RCU at a later date!</i> | | | | | | |

| OPTIONS & ACCESSORIES | BASE UNIT | QTY | Part No. | Unit price | Discount | Total Price |
|--|-----------|-----|----------|------------|----------|-------------|
| Low energy, high efficiency Peltier Gas Cooler with condensate pump (with condensate monitoring and alarm) | | 1 | 63866 | \$831.00 | 0% | \$831.00 |
| CO sensor protection by using additional purging pump | | 1 | 64013 | \$146.00 | 0% | \$146.00 |
| <i>NOTE: Required if CO/H2comp. #65967 is installed together with 3-gas bench #12815</i> | | | | | | |
| Separate CO sensor protection by Purafil filter, recommended for use at CHP engines | | 1 | 65028 | \$150.00 | 0% | \$150.00 |
| <i>NOTE: not possible to retrofit at a later date!</i> | | | | | | |

| CONSUMABLES and OTHER ACCESSORIES | QTY | Part No. | Unit price | Discount | Total Price |
|---|-----|----------|------------|----------|-------------|
| Additional SD card, 8GB (accredited for NOVA plus) | 1 | 62994 | \$27.00 | 0% | \$27.00 |
| Service kit (spare filter, fuses, probe cleaning brush, silicone, duster, etc.) | 1 | 63951 | \$159.00 | 0% | \$159.00 |
| Replaceable PTFE filter elements for condensate separator (washable and reusable up to 5 times) | 1 | 10155 | \$21.00 | 0% | \$21.00 |
| Set of 50pcs. filter for BSU measurement | 1 | 11515 | \$30.00 | 0% | \$30.00 |
| Printer paper, thermal paper, 58 mm x 20 m (1 pack. = 5 rolls) | 1 | 59465 | \$21.00 | 0% | \$21.00 |

SALES TERMS & CONDITIONS

A. Acceptance/Agreement

All orders are subject to acceptance by MRU Instruments, Inc. Additional or different terms or any attempt by the Buyer to vary, in any degree, any of the terms of this sales agreement form shall be deemed material and are objected to or rejected, but this sales agreement form shall not operate as a rejection of the Buyer's offer unless it contains variances in the terms of the description, quantity, price or delivery schedule of the goods.

B. Payment Terms

MRU Instruments payment terms are net 30 days unless special written arrangements have been made. MRU Instruments, Inc. may, at any time, suspend performance of any order or require payment in cash, security or other adequate assurance satisfactory to MRU Instruments, Inc. when, in MRU Instruments' opinion, the financial condition of Buyer or other grounds for insecurity warrant such action. MRU Instruments, Inc. reserves the right to assess late charges on accounts due past 30 days at the rate of 18% per annum. All goods are shipped Ex Works and are the property of the Buyer upon shipment.

C. Cancellation/Termination

Upon written notice of cancellation or termination for the Buyer's convenience of standard catalog items, for standard product only, the Buyer is subject to a minimum 15% charge on the remaining balance and a charge reflecting a reversion to the quantity pricing of items actually delivered. In the event that the goods are special, non-standard or custom the Buyer may terminate this order in whole or in part for its convenience upon written notice to MRU Instruments, Inc. in which event MRU Instruments, Inc. shall be entitled to termination charges consisting of a percentage of the order price reflecting the percentage of the work performed prior to termination plus actual direct costs resulting from termination.

D. Remedies in the Event of Cancellation or Default

In the event the Buyer cancels this order, or becomes overdue on its account payable to MRU Instruments, Inc. by failing to pay for this order when due in accordance with the terms hereof, in addition to the charges assessed to the Buyer pursuant to Paragraphs B and C of this Agreement, the buyer shall be required to pay all costs of collection, including, whether suit be brought or not, attorney fees, court costs, collection expenses and other expenses which MRU Instruments, Inc. may incur or pay in the prosecution of defense of its rights hereunder whether in judicial proceedings at law or in equity, including bankruptcy court and appellate proceedings, or whether out of court. In addition, MRU Instruments, Inc. shall retain the right to terminate this Agreement and Buyer's right to use the Software (as term is defined below) upon any material breach of this Agreement by Buyer. Buyer agrees to return to MRU Instruments, Inc. or to destroy all copies of the Software upon termination of this Agreement.

E. Delivery

The promised delivery date is the best estimate possible, based upon current and anticipated manufacturing capabilities, of when the product will be shipped. MRU Instruments, Inc. assumes no liability for loss, damages or consequential damages due to delay.

In any event, MRU Instruments, Inc. shall not be in default for any failure to deliver Products to Buyer by the promised delivery date. In the event that MRU Instruments, Inc. so defaults, Buyer's sole remedy for such default shall be cancellation of the applicable order. MRU Instruments, Inc. shall have no other liability to Buyer as a consequence of any such default.

F. Force Majeure

Fulfillment of this order is contingent upon the availability of materials. MRU Instruments, Inc. shall not be liable for any delay in delivery or for non-delivery in whole or in part caused by the occurrence of any contingency beyond the control of either MRU Instruments, Inc. or suppliers to MRU Instruments, Inc. including but not limited to delay in transportation, labor disruption, earthquake, fire, acts of God, or any other act outside of MRU Instruments, Inc.'s reasonable control.

G. Warranty

MRU Instruments, Inc. expressly warrants that the materials covered by this sale will conform to the specifications, drawings or other descriptions specified by the Buyer or if none are so specified, to MRU Instruments' standard specifications for such material. The materials will be new and unless specified to the contrary on the order acknowledgment or invoice, will be free of all liens and encumbrances.

MRU Instruments, Inc. is in compliance in all material respects with the terms and conditions of all material permits, licenses and authorizations which are required under federal, state and local laws applicable to MRU Instruments, Inc. and relating to pollution or protection of the environment, except where the failure to obtain such authorizations could not be reasonably expected to have a material adverse effect on the business of MRU Instruments, Inc. or its customers. MRU Instruments, Inc. is not aware of any conditions, circumstances, activities, practices, incidents, or actions which could reasonably be expected to form the basis of any claim, action, suit, proceeding, hearing, or investigation of, by, against or relating to MRU Instruments, Inc., based on or related to the manufacture, processing, distribution, use, treatment, storage, disposal, transport, or handling, or the emission, discharge, release or threatened release into the environment, of any pollutant, contaminant, or hazardous or toxic substance, material or waste, or relating to the safety of employees, workers or other persons, other than such conditions, circumstances, activities, practices, incidents, or actions that are beyond reasonable knowledge of and control of MRU Instruments, Inc..

THIS WARRANTY IS THE ONLY WARRANTY MADE BY MRU INSTRUMENTS, INC. WITH RESPECT TO THE GOODS SOLD UNDER THIS AGREEMENT. THERE IS NO OTHER WARRANTY, EXPRESS OR IMPLIED, INCLUDING ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. MRU INSTRUMENTS, INC. FURTHER DISCLAIMS ANY WARRANTY, EXPRESS OR IMPLIED, LIABILITY OR SUPPORT OBLIGATION FOR ALTERED, DAMAGED OR MODIFIED SOFTWARE OR ANY PORTION OF THE SOFTWARE INCORPORATED WITH OR INTO THIRD-PARTY PRODUCTS OR PRODUCT PROBLEMS CAUSED BY CUSTOMER'S NEGLIGENCE, ABUSE OR MISAPPLICATION OR USE OF THE PRODUCT OTHER THAN AS SPECIFIED BY MRU INSTRUMENTS, INC..

MRU Instruments, Inc. shall not be liable for any incidental, special, indirect or consequential damages, losses or expenses directly or indirectly arising from the sale whether in contract, tort, or any other legal theory. In any event, MRU Instruments' liability hereunder is expressly limited to the repair or replacement (at MRU Instruments' option) of non-conforming goods or, at MRU Instruments' election, to the repayment or crediting to Buyer the purchase price of such goods.

H. Claims/Notice of Defects

Failure of the Buyer to object in writing to any merchandise shipped to it by MRU Instruments, Inc. within 30 days after receipt thereof will constitute complete acceptance by Buyer of such merchandise. Rejected material must be returned to MRU Instruments, Inc. within 45 days after receipt and with prior authorization from MRU Instruments, Inc. MRU Instruments, Inc. may (at its option) recondition or replace the rejected material to meet Buyer's specifications within a reasonable time period after receipt. Claims for shipping damage must be made with the carrier.

All products must be returned in the same packing conditions in which it left MRU Instruments, Inc.' manufacturing location(s) (anti-static rails and boxes, adequately protected, etc.). Buyer must pay return shipping.

I. Confidential Information

All drawings, diagrams, specifications and other materials furnished by MRU Instruments, Inc. and identified as confidential, or information which the Buyer knows or has reason to know is confidential, proprietary or trade secret information of MRU Instruments, Inc., relating to the use and service of articles furnished hereunder and the information therein, are proprietary to MRU Instruments, Inc.. Buyer may not reproduce or distribute such materials except to buyer's employees who may use the articles as part of their duties.

Customer agrees that it will take all reasonable measures to maintain the confidentiality of all confidential information in its possession or control, which will in no event be less than the measures it uses to maintain the confidentiality of its own information of equal importance. Accordingly, MRU Instruments, Inc. will be entitled to preliminary and permanent injunctive relief and other equitable relief for any breach of this Section I.

Buyer further acknowledges and agrees that the sale of products to Buyer does not convey any license express or implied, and Buyer shall not, manufacture, modify, reverse engineer, duplicate, otherwise copy or reproduce any of the products or any part thereof. MRU Instruments, Inc. will treat drawings, specifications or data furnished by Buyer as confidential, when identified as such, in connection with this purchase.

J. General Provisions

Any cause of action arising from this agreement, or breach of it, must be commenced within one year after the cause of action occurs. MRU Instruments, Inc. reserves the right to correct any stenographical or clerical errors in any of the writings issued by it. The terms and conditions of sale and any description on the face of MRU Instruments' writings constitute a complete and exclusive statement of the terms and conditions of the sale of the goods by MRU Instruments, Inc. to Buyer unless amended in writing between Buyer and MRU Instruments, Inc. Buyer may not assign any rights to, or delegate any performance owed under the agreement without the written consent of MRU Instruments, Inc.

This Agreement will be governed by and construed in accordance with the laws of the State of Texas. Any suit hereunder will be brought solely in the federal or state courts of Harris County, Texas, and Buyer hereby submits to the personal jurisdiction thereof. This agreement, as amended by any posted notices, constitutes the entire terms and conditions on products offered for sale by MRU Instruments, Inc.

MRU Instruments, Inc. may amend this Agreement at any time by posting the amended terms on its web site. Except as stated below, all amended terms shall automatically be effective after they are posted on the web site. This Agreement may not be otherwise amended except in a writing signed by Buyer and MRU Instruments, Inc.

This agreement was last revised on January 30, 2007.