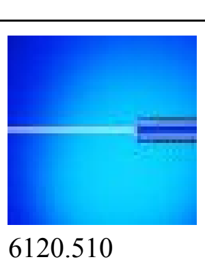
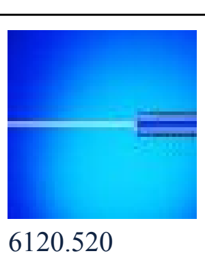
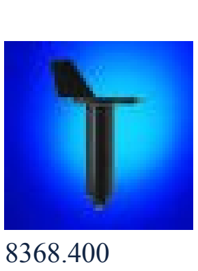
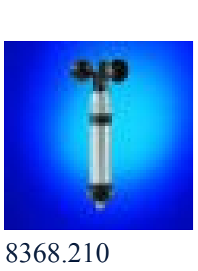
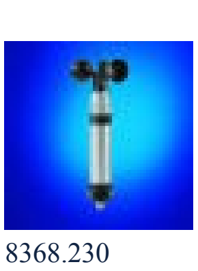
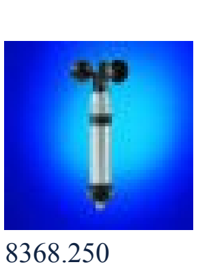
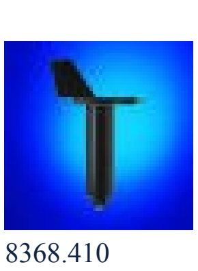
LUFFT VĖJO / SRAUTO MATAVIMO PRIETAISAI

Eil. Nr.	Pavadinimas	Aprašymas
1.	 8371.UMT Ventus-UMB for wind energy applications Measurement of Wind direction, Wind speed, Virtual temperature, Air pressure	**Supplementary description:** Extremely precise and maintenancefree measurement of wind speed, wind direction and air pressure as well as calculation of acoustic virtual temperature. The ultrasonic wind sensor is designed without mechanical parts as known with traditional "cups and vane". The digital or analog output delivers instantaneous, average, min or max value with flexible measuring rate. The VENTUS is heated in case of critical ambient conditions. Made for cold climates! Recommended for: Wind turbines, marine/ships, meteorology and building automation. The following outputs/protocols are available: NMEA, UMB-ASCII, UMB-Binary, MODBUS (ASCII, RTU), SDI-12, 4...20 mA, 0...10V, 0...20 mA, 2...10V, frequency (analog) Download - product data sheet
2.	 8371.UA01 V200A-UMB Measurement of Air pressure, Wind direction, Wind speed, Virtual temperature	**Description:** V200A-Ultrasonic Wind Sensor, plastic housing and 20W-heater **Supplementary description:** Extremely precise and maintenance-free measurement of wind velocity and wind direction as well as calculation of acoustic virtual temperature. The ultrasonic wind sensor is designed without mechanical parts as they have been used with traditional "cups and vanes". The digital or analog output delivers instantaneous, average, min or max value with flexible measuring rate. The V200A-UMB is heated in case reaching critical ambient conditions. Recommended for: meteorology or building automation. The following outputs/protocols are available: NMEA, ASCII, UMB and 4.. 20 mA analog. Download - product data sheet
3.	 5900.00 Hand-held Measuring Device XA1000 "All-in-ONE" "All-rounder" in the measurement technology segment. A universal measuring device for professionals with the inclusion	**Description:** The most precice and flexible all-rounder instrument for professional applications-easy to handle and robust. Allows various intelligent sensors to be connected with automatic recognition, saves measuring campaignes, allows all climate data to be calculated and archieved on a computer for further evaluation by SmartGraph3 software. **Supplementary description:** "All-rounder" in the measurement technology segment. A universal measuring device for professionals with the inclusion of exchangeable SDI Sensors. Highly precise measurements of temperature and relative humidity. Integrated air pressure sensor, online/offline data recording. Equipped with test certificate, can be calibrated. Scope of delivery includes transport case. For more information visit theproduct page of our Lufft X-Series Download - product data sheet
4.	 8371.U01 WS200-UMB Smart Weather Sensor Measurement of Wind direction, Wind speed	**Description:** From the WS product family of professional intelligent measurement transducers with digital interface for environmental applications. **Supplementary description:** WS200-UMB Smart Weather Sensor for measuring of wind direction and wind speed. Ultrasonic sensor technology is used to take wind measurements. Measurement output can be accessed by the following protocolls: UMB-Binary, UMB-ASCII, SDI-12, MODBUS **Special features:** • Ultrasonic wind measurement • Open communication protocol: • UMB-ASCII • UMB-Binary • SDI-12 • MODBUS • Analoge outputs in combination with 8160.UDAC Download - product data sheet
5.	 5840.00 Hand-held measuring device XP400 The X-pert for precise airflow measurements on various measurement ranges. For more information visit the ...	**Description:** Ideal for volume measurements, air intake and air discharge measurements in climate measuring technology. Data memory and software. **Supplementary description:** The X-pert for precise airflow measurements on various measurement ranges. For more information visit theproduct page of our Lufft XP series. Download - product data sheet
6.	 6120.510 SDI Airflow-/Temperature Sensor (0…2m/s) Measurement of Temperature, Flow	**Description:** Reference device for airflow and temperature measurements in service and maintenance. Proof of air tightness of buildings and rooms. Download - product data sheet
7.	 6120.520 SDI Airflow-/Temperature Sensor (0…20m/s) Measurement of Temperature, Flow	**Description:** Application: airflow and temperature measurements in climate measurement technology. Download - product data sheet
8.	 8368.100 Wind sensor BASIC Measurement of Wind direction	**Description:** The slender, flow-optimized external geometry ensures certain and precise measurement. For highest stability under load and safe long-term use we rely on robust materials, such as the anodised aluminium housing. The compact sensors with their simple mounting principles additionally provide a high degree of flexibility. Without heating. **Supplementary description:** Wind sensors BASIC are recommended for use in: Building services, environmental measurements, wind power plants, stadiums, industrial meteorology, solar plants and controlling of jalousies. **Special features:** • Wearfree data acquisition • Robust housing • Dimensionally stable blade wind vane • Double precision bearing Download - product data sheet
9.	 8368.110 Wind sensor BASIC Measurement of Wind speed	**Description:** The slender, flow-optimized external geometry ensures certain and precise measurement. For highest stability under load and safe long-term use we rely on robust materials, such as the anodised aluminium housing. The compact sensors with their simple mounting principles additionally provide a high degree of flexibility. Without heating. **Supplementary description:** Wind sensors BASIC are recommended for use in: Building services, environmental measurements, wind power plants, stadiums, industrial meteorology, solar plants and controlling of jalousies. **Special features:** • Wearfree data acquisition • Robust housing • Fail-safe cup • Double precision bearing Download - product data sheet
10.	 8368.400 Wind sensor PROFESSIONAL-IX Measurement of Wind direction	**Description:** With 125 watts of heating the PROF-IX wind sensors keep warm in snow and ice. Hence these high quality sensors are particularly suitable for use in extreme climatic conditions. **Supplementary description:** Double bearings and a special alloy mean that the equipment can be used in a wide variety of measurement applications and temperature ranges. The non-contact measuring principle provides abrasion-free, precise and hence secure data logging. Simple installation principles offer a high degree of flexibility. NON-ICING wind sensor with 125 watts of heating, compliant with the Cold Climate Standard. For polar stations, wind power stations, aerial railways, environmental measurement in all climate zones, winter sports facilities and wind warning systems for cranes. **Special features:** • Wide variety of measurement applications and temperature ranges, all year round • Excellent response values due to non-contact measuring principle • Optimal heating concept • Highest level of resilience and long service life Download - product data sheet
11.	 8368.200 Wind sensor INDUSTRY Measurement of Wind direction	**Description:** The wind sensors impress with high accuracy, simplest mounting methods and ultimately robust, seawater-proof materials. Wind sensors INDUSTRY are recommended for use in: industrial applications, wind power plants, building services, wind warning devices on cranes, in all climatic zones, environmental measurements. **Supplementary description:** The optimal heating of the sensor head and minimum powerdemand of the system are made possible by thermal decoupling of the housing shaft. **Special features:** • Precision, tradition and future reliability • Large operative measuring and temperature • range • Simplest mast mounting • Very good starting values through magnetic, • contactless measuring principle • Optimal heating concept Download - product data sheet
12.	 8368.210 Wind sensor INDUSTRY Measurement of Wind speed	**Description:** The wind sensors impress with high accuracy, simplest mounting methods and ultimately robust, seawater-proof materials. Wind sensors INDUSTRY are recommended for use in: industrial applications, wind power plants, building services, wind warning devices on cranes, in all climatic zones, environmental measurements. **Supplementary description:** The optimal heating of the sensor head and minimum powerdemand of the system are made possible by thermal decoupling of the housing shaft. **Special features:** • Precision, tradition and future reliability • Large operative measuring and temperature • range • Simplest mast mounting • Very good starting values through magnetic, • contactless measuring principle • Optimal heating concept Download - product data sheet
13.	 8368.220 Wind sensor INDUSTRY Measurement of Wind direction	**Description:** The wind sensors impress with high accuracy, simplest mounting methods and ultimately robust, seawater-proof materials. Wind sensors INDUSTRY are recommended for use in: industrial applications, wind power plants, building services, wind warning devices on cranes, in all climatic zones, environmental measurements. **Supplementary description:** The optimal heating of the sensor head and minimum powerdemand of the system are made possible by thermal decoupling of the housing shaft. **Special features:** • Precision, tradition and future reliability • Large operative measuring and temperature • range • Simplest mast mounting • Very good starting values through magnetic, • contactless measuring principle • Optimal heating concept Download - product data sheet
14.	 8368.230 Wind sensor INDUSTRY Measurement of Wind speed	**Description:** The wind sensors impress with high accuracy, simplest mounting methods and ultimately robust, seawater-proof materials. Wind sensors INDUSTRY are recommended for use in: industrial applications, wind power plants, building services, wind warning devices on cranes, in all climatic zones, environmental measurements. **Supplementary description:** The optimal heating of the sensor head and minimum powerdemand of the system are made possible by thermal decoupling of the housing shaft. **Special features:** • Precision, tradition and future reliability • Large operative measuring and temperature • range • Simplest mast mounting • Very good starting values through magnetic, • contactless measuring principle • Optimal heating concept Download - product data sheet
15.	 8368.240 Wind sensor INDUSTRY Measurement of Wind direction	**Description:** The wind sensors impress with high accuracy, simplest mounting methods and ultimately robust, seawater-proof materials. Wind sensors INDUSTRY are recommended for use in: industrial applications, wind power plants, building services, wind warning devices on cranes, in all climatic zones, environmental measurements. **Supplementary description:** The optimal heating of the sensor head and minimum powerdemand of the system are made possible by thermal decoupling of the housing shaft. **Special features:** • Precision, tradition and future reliability • Large operative measuring and temperature • range • Simplest mast mounting • Very good starting values through magnetic, • contactless measuring principle • Optimal heating concept Download - product data sheet
16.	 8368.250 Wind sensor INDUSTRY Measurement of Wind speed	**Description:** The wind sensors impress with high accuracy, simplest mounting methods and ultimately robust, seawater-proof materials. Wind sensors INDUSTRY are recommended for use in: industrial applications, wind power plants, building services, wind warning devices on cranes, in all climatic zones, environmental measurements. **Supplementary description:** The optimal heating of the sensor head and minimum powerdemand of the system are made possible by thermal decoupling of the housing shaft. **Special features:** • Precision, tradition and future reliability • Large operative measuring and temperature • range • Simplest mast mounting • Very good starting values through magnetic, • contactless measuring principle • Optimal heating concept Download - product data sheet
17.	 8368.300 Wind sensor PROFESSIONAL Measurement of Wind direction	**Description:** Two optimized versions are available with regard to power supply and signal output. The design is not only aerodynamically optimized but also effectuates extremely good deep-seaworthiness through the special surface treatment. **Supplementary description:** The titan in the catagory „professional wind sensors" meets the challenge of highest reliability over a very large measuring range. Wind sensors PROFESSIONAL are recommended for use in: Offshore, wind power plants, meteorology, wind warning systems, power plants, airports, military and civil ships. **Special features:** • Precision, tradition and future reliability • Large measuring range of 75 m/s! • Very low starting value of 0.3 m/s through magnetic, contactless measuring principle • Optimal heating concept at the 4...20 mA version Download - product data sheet
18.	 8368.310 Wind sensor PROFESSIONAL Measurement of Wind speed	**Description:** Two optimized versions are available with regard to power supply and signal output. The design is not only aerodynamically optimized but also effectuates extremely good deep-seaworthiness through the special surface treatment. **Supplementary description:** The titan in the catagory „professional wind sensors" meets the challenge of highest reliability over a very large measuring range. Wind sensors PROFESSIONAL are recommended for use in: Offshore, wind power plants, meteorology, wind warning systems, power plants, airports, military and civil ships. **Special features:** • Precision, tradition and future reliability • Large measuring range of 75 m/s! • Very low starting value of 0.3 m/s through magnetic, contactless measuring principle • Optimal heating concept at the 4...20 mA version Download - product data sheet
19.	 8368.410 Wind sensor PROFESSIONAL-IX Measurement of Wind direction	**Description:** With 125 watts of heating the PROF-IX wind sensors keep warm in snow and ice. Hence these high quality sensors are particularly suitable for use in extreme climatic conditions. **Supplementary description:** Double bearings and a special alloy mean that the equipment can be used in a wide variety of measurement applications and temperature ranges. The non-contact measuring principle provides abrasion-free, precise and hence secure data logging. Simple installation principles offer a high degree of flexibility. NON-ICING wind sensor with 125 watts of heating, compliant with the Cold Climate Standard. For polar stations, wind power stations, aerial railways, environmental measurement in all climate zones, winter sports facilities and wind warning systems for cranes. **Special features:** • Wide variety of measurement applications and temperature ranges, all year round • Excellent response values due to non-contact measuring principle • Optimal heating concept • Highest level of resilience and long service life Download - product data sheet
20.	 8368.450 Wind sensor PROFESSIONAL-IX Measurement of Wind speed	**Description:** With 125 watts of heating the PROF-IX wind sensors keep warm in snow and ice. Hence these high quality sensors are particularly suitable for use in extreme climatic conditions. **Supplementary description:** Double bearings and a special alloy mean that the equipment can be used in a wide variety of measurement applications and temperature ranges. The non-contact measuring principle provides abrasion-free, precise and hence secure data logging. Simple installation principles offer a high degree of flexibility. NON-ICING wind sensor with 125 watts of heating, compliant with the Cold Climate Standard. For polar stations, wind power stations, aerial railways, environmental measurement in all climate zones, winter sports facilities and wind warning systems for cranes. **Special features:** • Wide variety of measurement applications and temperature ranges, all year round • Excellent response values due to non-contact measuring principle • Optimal heating concept • Highest level of resilience and long service life Download - product data sheet
21.	 8368.460 Wind sensor PROFESSIONAL-IX Measurement of Wind speed	**Description:** With 125 watts of heating the PROF-IX wind sensors keep warm in snow and ice. Hence these high quality sensors are particularly suitable for use in extreme climatic conditions. **Supplementary description:** Double bearings and a special alloy mean that the equipment can be used in a wide variety of measurement applications and temperature ranges. The non-contact measuring principle provides abrasion-free, precise and hence secure data logging. Simple installation principles offer a high degree of flexibility. NON-ICING wind sensor with 125 watts of heating, compliant with the Cold Climate Standard. For polar stations, wind power stations, aerial railways, environmental measurement in all climate zones, winter sports facilities and wind warning systems for cranes. **Special features:** • Wide variety of measurement applications and temperature ranges, all year round • Excellent response values due to non-contact measuring principle • Optimal heating concept • Highest level of resilience and long service life Download - product data sheet
22.	 9130.BT Hand Held Device A1-SDI Bluetooth	**Description:** Multi-talented measurement technology with digital sensor interface and Bluetooth function **Supplementary description:** Instead of many measuring instruments for individual tasks, with the A1-SDI you now need only one measuring instrument for many tasks! Excellent readability, illuminated display, Hold, MAX, MIN, average value, REC and automatic switch-off function, THUMB-WHEEL operation, real time clock, °C/°F switchable, data transfer via Bluetooth with data valuation in SmartGraph 2 (included in delivery).
23.	5613.00 Transmitter with display Measurement of Flow	**Supplementary description:** LUFFT flow measurement transducers are designed for exact measurement of air velocity (mass flow rate). The measurement process is based on the hot-film anemometer principle using specially developed thin film elements. All the components necessary for evaluation and linearization are built into the housing. In addition to the desired measurement range, the output signal and the response time can also be adapted to the application by simply changing a jumper. Both duct-mounting and remote sensing versions are available. The measurement transducers can be supplied with built-in LCD display for on-site indication of the current measurement data. Typical applications: Air conditioning and ventilation Clean room monitoring Process and environmental technology **Special features:** • Operates independent of direction • over a wide range • easy and inexpensive installation • low sensitivity to dirt • high flexibility
24.	 5613.10 Transmitter without display Measurement of Flow	**Supplementary description:** LUFFT flow measurement transducers are designed for exact measurement of air velocity (mass flow rate). The measurement process is based on the hot-film anemometer principle using specially developed thin film elements. All the components necessary for evaluation and linearization are built into the housing. In addition to the desired measurement range, the output signal and the response time can also be adapted to the application by simply changing a jumper. Both duct-mounting and remote sensing versions are available. The measurement transducers can be supplied with built-in LCD display for on-site indication of the current measurement data. Typical applications: Air conditioning and ventilation Clean room monitoring Process and environmental technology **Special features:** • Operates independent of direction • over a wide range • easy and inexpensive installation • low sensitivity to dirt • high flexibility
25.	 5613.20 Transmitter without display Measurement of Flow	**Supplementary description:** LUFFT flow measurement transducers are designed for exact measurement of air velocity (mass flow rate). The measurement process is based on the hot-film anemometer principle using specially developed thin film elements. All the components necessary for evaluation and linearization are built into the housing. In addition to the desired measurement range, the output signal and the response time can also be adapted to the application by simply changing a jumper. Both duct-mounting and remote sensing versions are available. The measurement transducers can be supplied with built-in LCD display for on-site indication of the current measurement data. Typical applications: Air conditioning and ventilation Clean room monitoring Process and environmental technology **Special features:** • Operates independent of direction • over a wide range • easy and inexpensive installation • low sensitivity to dirt • high flexibility
26.	5613.30 Transmitter with display Measurement of Flow	**Supplementary description:** LUFFT flow measurement transducers are designed for exact measurement of air velocity (mass flow rate). The measurement process is based on the hot-film anemometer principle using specially developed thin film elements. All the components necessary for evaluation and linearization are built into the housing. In addition to the desired measurement range, the output signal and the response time can also be adapted to the application by simply changing a jumper. Both duct-mounting and remote sensing versions are available. The measurement transducers can be supplied with built-in LCD display for on-site indication of the current measurement data. Typical applications: Air conditioning and ventilation Clean room monitoring Process and environmental technology **Special features:** • Operates independent of direction • over a wide range • easy and inexpensive installation • low sensitivity to dirt • high flexibility
27.	5617.00 Transmitter without display Measurement of Flow	**Supplementary description:** LUFFT flow measurement transducers are designed for exact measurement of air velocity (mass flow rate). The measurement process is based on the hot-film anemometer principle using specially developed thin film elements. All the components necessary for evaluation and linearization are built into the housing. In addition to the desired measurement range, the output signal and the response time can also be adapted to the application by simply changing a jumper. Both duct-mounting and remote sensing versions are available. The measurement transducers can be supplied with built-in LCD display for on-site indication of the current measurement data. Typical applications: Air conditioning and ventilation Clean room monitoring Process and environmental technology **Special features:** • Operates independent of direction • over a wide range • easy and inexpensive installation • low sensitivity to dirt • high flexibility
28.	 5617.10 Transmitter without display Measurement of Flow	**Supplementary description:** LUFFT flow measurement transducers are designed for exact measurement of air velocity (mass flow rate). The measurement process is based on the hot-film anemometer principle using specially developed thin film elements. All the components necessary for evaluation and linearization are built into the housing. In addition to the desired measurement range, the output signal and the response time can also be adapted to the application by simply changing a jumper. Both duct-mounting and remote sensing versions are available. The measurement transducers can be supplied with built-in LCD display for on-site indication of the current measurement data. Typical applications: Air conditioning and ventilation Clean room monitoring Process and environmental technology **Special features:** • Operates independent of direction • over a wide range • easy and inexpensive installation • low sensitivity to dirt • high flexibility
29.	 5617.20 Transmitter without display Measurement of Flow	**Supplementary description:** LUFFT flow measurement transducers are designed for exact measurement of air velocity (mass flow rate). The measurement process is based on the hot-film anemometer principle using specially developed thin film elements. All the components necessary for evaluation and linearization are built into the housing. In addition to the desired measurement range, the output signal and the response time can also be adapted to the application by simply changing a jumper. Both duct-mounting and remote sensing versions are available. The measurement transducers can be supplied with built-in LCD display for on-site indication of the current measurement data. Typical applications: Air conditioning and ventilation Clean room monitoring Process and environmental technology **Special features:** • Operates independent of direction • over a wide range • easy and inexpensive installation • low sensitivity to dirt • high flexibility