



OUR DINEL NEWS

We bring you an overview of news you will find a simple overview of the most important here. If you are interested in a product, use the QR codes, referring to www.dinel.cz, where you can find detailed information about each product or you can send us a non-binding inquiry.

The list of planned trade fairs for the next year 2025 can be found at the end of this NEWS. Take advantage of the possibility of a personal consultation at our stand and check out the news. We also offer the possibility of a personal meeting at the company headquarters in Zlín or it is possible to arrange a meeting directly at your place.

We look forward to your visit.

NEW RFLS-24



WHAT PRODUCTS YOU WILL FIND IN THIS NEWS

HIGH-FREQUENCY LEVEL SENSOR

New RFLS-24

ANTENNA RADAR LEVEL METER

New ARLM-54

OIL QUALITY SENSOR

New QOS-35

PRESSURE SENSOR

PPM-35

SUBMERSIBLE LEVEL SENSOR

New design CLS-23S

OUR NEWS...

HIGH-FREQUENCY LEVEL SENSOR RFLS-24

The RFLS-24 high-frequency level sensor is a specialized sensor for limit level sensing in liquid and paste media. Thanks to its industrial design, it is designed to operate reliably even in more demanding applications, where it can become a direct replacement for vibration or capacitive level sensors. The RFLS-24 can be used with media that are electrically conductive or non-conductive, regardless of their permittivity. This sensor is suitable for installation in various types of tanks (such as metal or plastic containers, filling tanks, sumps or other industrial containers) or pipes.

Depending on the needs of the application, the RFLS-24 can be selected in a version with a standard (type 1) or extended electrode part (type 11). For both variants, there is a choice between a plastic (CP) or stainless steel (CM) connector. This sensor is highly reliable

even when working with highly viscous or sticky substances such as ketchup, yogurt, various pastes, cleaning agents or syrups. Resistance to adhesion of these media is crucial for the device to perform its function flawlessly over the long term.

The RFLS-24 provides the user with easy setup using a magnetic pen or programming wire. The device has a universal design that allows it to detect all types of liquids, both conductive and non-conductive, without any problems. Thanks to its high stability and sensitivity, it can also be used for substances with low permittivity ($\epsilon_r \geq 1.5$), which expands its application possibilities across various industrial sectors.



NEW

RFLS-24

ON SALE FROM 10/2024

ANTENNA RADAR LEVEL METER ARLM-70-08 „AMANDA“

We present a new variant of the Antenna Radar Level Meter ARLM-70 with a range of 8m. It operates on the FMCW principle (frequency modulated continuous wave) with a frequency of 25 GHz (K-band), which allows for accurate and reliable measurement of liquid and pasty substances. Its antenna is equipped with a compact plastic cover that effectively protects against penetration and deposition of dirt, vapors and other substances, which not only extends the life of the device, but also reduces the risk of malfunctions. Compared to competitive products, it stands out thanks to innovative low-power electronics with adaptive control of transmission power and elimination of any number of obstacles.

It offers a simple electrical connection using a two-wire current loop 4 - 20 mA and a high level of user comfort - the possibility of manual adjustment using buttons, or remotely using HART® communication. Similar to other products from the X-70 series, it allows users to choose the type of display. For outdoor environments with sunlight, it is more appropriate to choose an LCD display, while for rooms with low lighting, an OLED option is more suitable.



NEW

ARLM-70

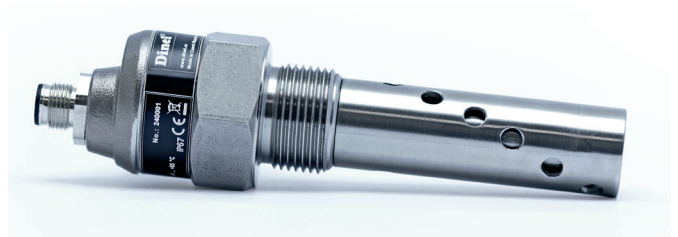
ON SALE FROM 02/2025

OIL QUALITY SENSOR QOS-35

The QOS-35 is a compact, sensor designed for continuous analysis and monitoring of oil quality in various operating equipment such as engines, transmissions, hydraulic systems or electrical transformers. The sensor works on the principle of measuring the dielectric constant, which captures various types of degradation, contamination and wear of the oil, including the presence of water, acids, fuel, carbon particles and other impurities that can negatively affect the performance and life of the equipment.

The QOS-35 is universal for both mineral and synthetic oils and is designed to detect even small changes in contamination thanks to two sensitivity ranges. Easy initial calibration is carried out using a magnetic pen, when the entire sensing part is immersed in a reference sample of clean oil, ensuring the optimal setting of the sensor for specific conditions. After installation in a horizontal position, ensuring that the sensing part is flooded with oil, the QOS-35 is ready to automatically monitor and report the oil condition with high accuracy and reliability.

Temperature compensation ensures measurement stability, even under variable operating conditions. The magnetic pen allows easy adjustment of the desired sensitivity according to specific requirements. Connection via analog voltage output facilitates the integration of QOS-35 into existing monitoring systems, thus providing quick installation and effective control over the oil condition. Thanks to this monitoring, unnecessary failures can be prevented and the need for service maintenance can be eliminated, which increases the reliability of the equipment and reduces operating costs.



NEW

QOS-35

ON SALE FROM 10/2024

ANTENNA RADAR LEVEL METER ARLM-54

The ARLM-54 antenna radar level meter is an addition to the ARLM model series. This non-contact level meter also operates on the FMCW principle (frequency modulated continuous wave) operates on the same FMCW principle as the ARLM-70 "Amanda" with a frequency of 25 GHz (K-band) and is available in versions with a range of 20 m and 8 m, which allows for accurate measurement of liquid and pasty substances. It is equipped with a compact plastic housing that reliably protects the antenna from dust, fumes and other contaminants, thereby extending the service life of the device and minimizing the possibility of failures.

The ARLM-54 level meter stands out with low-power electronics with adaptive transmission power control, which ensures efficient operation even in the presence of obstacles. The electrical connection is made via a two-wire current loop 4 ... 20 mA, while communication is carried out exclusively using the HART® protocol.

The non-contact measurement method is resistant to atmospheric changes such as pressure, temperature fluctuations, dust or steam, and works reliably even in demanding conditions such as vacuum or the presence of aggressive vapors. Moreover, it does not depend on the properties of the measured medium, which makes the ARLM-54 a universal device for a wide range of applications.



NEW

ARLM-54

ON SALE FROM 01/2025

SUBMERSIBLE LEVEL SENSOR CLS-23S

The CLS-23S capacitive level sensor is specially designed for accurate water level sensing in deep boreholes, wells, sumps or tanks. This sensor represents a reliable and affordable solution for water level monitoring. Thanks to its simple design, it does not require any complicated settings – after installation and connection, it is immediately ready for use. Its two-wire connection allows direct integration into a relay circuit or connection to the control system input, which greatly facilitates its integration into existing systems.

The sensor is newly equipped with a protective crown that prevents mechanical damage to the electrode and thus extends the life of the device. The CLS-23S offers a reliable and simple way to monitor water levels.



ON SALE FROM 01/2025

WHERE CAN YOU MEET US 2025

18 - 20 March 2025

AMPER 2025

31st International Trade Fair for Electrical Engineering, Energy, Automation, Communication, Lighting and Security

Brno, Czech Republic

CZ

31 March - 4 April 2025

HANNOVER MESSE 2025

One of the world's largest trade fairs dedicated to industrial development

Hannover, Germany

DE

20 - 22 May 2025

WATER SUPPLIES-SEWERAGE 2025

23rd International Water Management Exhibition

Prague, Czech Republic

CZ

25 - 27 November 2025

SPS 2025

Industry leader in the automation sector

Nuremberg, Germany

DE

POUR FÉLICITER 2025

Along with our wishes for a pleasant holiday season and much success in the new year 2025, we extend our thanks for your trust and good cooperation this year.

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industrial electronics

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