

По вопросам продаж и поддержки обращайтесь:

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Астана (7172)727-132
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Брянск (4832)59-03-52
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Киров (8332)68-02-04

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Мурманск (8152)59-64-93
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Новокузнецк (3843)20-46-81
Новосибирск (383)227-86-73
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Пермь (342)205-81-47
Ростов-на-Дону (863)308-18-15

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Ставрополь (8652)20-65-13
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Томск (3822)98-41-53
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Тюмень (3452)66-21-18
Ульяновск (8422)24-23-59
Уфа (347)229-48-12
Челябинск (351)202-03-61
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Единый адрес: frn@nt-rt.ru **Веб-сайт:** www.fafnir.nt-rt.ru

Техническое описание блока управления UM-X FAFNIR

FAFNIR Sensors and Systems

Reliable, Universal Solutions for Your Level, Pressure and Temperature Measurement Requirements

FAFNIR prides itself on providing the highest-quality measurement solutions to all its customers, regardless of application complexity and size. After trading for approximately 45 years, driving industry innovation, and listening to our customers and their requirements, we are pleased to present FAFNIR's German-made, high-precision level, pressure and temperature measurement devices for the petroleum, pharmaceutical, chemical and food industries to you, our customers.

Why Buy FAFNIR Sensors and Systems?



Reliability, Accuracy and Ease of Installation as Standard

- + All our sensors are calibrated and stringently tested before they reach you, ensuring you receive only the best
- + With FAFNIR's "plug-and-play" sensors, installation is quick and easy
- + With pre-calibration, once installed, no adaptation to the liquid is required
- + Our sensor lifespan and failure rate is second to none. FAFNIR's field-proven sensors are installed globally



With 45 Years' Engineering and Manufacturing Experience, Customer Service is Key

- + Regardless of order complexity or size, we will find a solution for your business
- + We have listened to the market and we know you need the full solution from one supplier
- + We have extended our product portfolio to include pressure and temperature measurement so FAFNIR is at the forefront of your measurement needs
- + The FAFNIR team are experts. We design, manufacture and calibrate all of our products to the highest quality



FAFNIR™

Difficult Installation Conditions Are No Challenge for FAFNIR.

- + Designed to meet every requirement, our sensors fit the smallest to the largest openings
- + Our extensive range of sensors means we will have a solution for you, even when other suppliers don't

Extreme Process Conditions?

- + Our sensors are proven in temperatures of up to 450 °C or with up to 200 bar of pressure
- + With a response time of less than 0.2 s and information regarding the filling levels with an accuracy of ± 0.3 mm, you have constant visibility of your liquid stock
- + Reliability assured in corrosive, toxic and viscous substances

UM-X

The Stand-Alone Transducer for Continuous Level Sensors

In field housing, the UM-X offers convenient, stand-alone display for your level measurement.



Main Features and Benefits

- + Easy, menu-driven graphical user interface
- + Can be used with all sensors with a 4 to 20 mA interface
- + Intrinsically safe electrical circuit with ATEX approval (Ex ia)
- + Combined with TORRIX, approved as an overflow prevention fulfilling the requirement of the German Water Resources Act (WHG)
- + Pump control (alternating)
- + Continuous display of the filling level
- + Filling levels can be displayed in mm, inches, % or mA

UM-X – Technical Data

Operating data

Auxiliary power	230 V _{AC} , 115 V _{AC} , 24 V _{DC}
Maximum power input	<5 W, <8 VA
Ambient temperature	-20 °C to +50 °C
Protection class	IP64
Accuracy	0.1 % (4 to 20 mA)

Sensor electrical circuit

4 to 20 mA; U₀ ≤ 28 V; short-circuit-proof

Output

Five relays each with potential-free changeover contact Load	AC: U ≤ 250 V, I ≤ 5 A, P ≤ 100 VA DC: U ≤ 250 V, I ≤ 250 mA, P ≤ 50 W
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Dimensions (mm)

H 130 x W 180 x D 50

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