

Beyond
the measure

NH₃ Transmitter

FT 14196 A

Accurate measurement of NH₃ concentration for air quality monitoring and personnel protection.



Non contractual photo

Presentation

The transmitter measures ammonia (NH₃) in ppm. Its operational performance fully complies with the ATEX Directive as well as current toxicological regulations and standards.

It is supplied with a power supply and a universal cable, making it compatible with the LoRa® SPY U. A NANO SPY U can also be connected directly to the transmitter's analog output or via a universal cable using an IP67 Binder connector.

Technical data

Measurement range	0 - 50 ppm
Humidity	0–90% RH, non-condensing
Wiring	2-wire shielded, 0.5–2.5 mm ² , M20 threading
Enclosure	Marine-grade A356 aluminum alloy with polyester coating
Mounting	Wall-mounted
Protection rating	IP 65
Output	4–20mA
Power Supply	8–30 VDC
Current consumption	24 mA max
Response time	T90 < 30s
Operating temperature	-20 to +50°C
Weight	1 kg
Dimensions	156×166×111 mm
Power supply required	Yes
Universal adapter required	Yes
Included	User guide

Non contractual document

JRI, Société par actions simplifiée au capital de 4 000 000 €
 Pôle logistique / 2 Rue de la Voivre / PA Technoland / BP 21 / 25490 FESCHES LE CHÂTEL / France
 SIRET 380 332 858 00030 - Tél : +33 (0)3 81 30 68 04 / Fax : +33 (0)3 81 30 60 99 / sales@group-mms.com
 Siège Social : 16 rue Louis Rameau / CS 90050 / 95872 BEZONS Cedex / France / APE 2651B / TVA FR 02 380 332 858

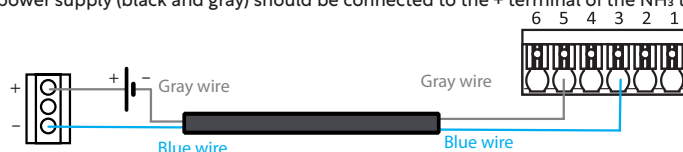
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원문: JRI NH3 Transmitter NH3 Transmitter · 제조사 원문 자료입니다. 사양은 제조사 사정에 따라 변경될 수 있습니다.

Raccordement

Case No. 1: Wiring diagram with a LoRa® SPY U

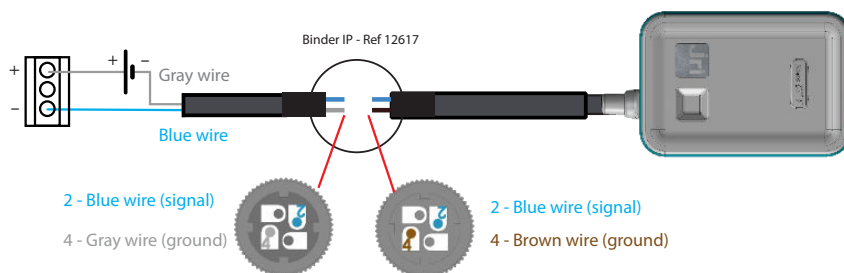
- Blue wire: Connect one end to connector 3 on the LoRa SPY U. Connect the other end to the - terminal of the NH₃ transmitter
- Gray wire: Connect one end to connector 5 on the LoRa SPY U. Connect the other end via a terminal block to the - wire of the 24 V power supply (black wire)
- + wire of the 24 V power supply (black and gray) should be connected to the + terminal of the NH₃ transmitter



Case No. 2: Wiring diagram with a Nano SPY U

JRI recommends using an IP67 Binder connector (ref. 12617) and a universal cable to connect the Nano SPY U to the NH₃ transmitter.

- Blue wire from Nano SPY: Connect to terminal 2 of the IP67 connector.
- Brown wire from Nano SPY: Connect to terminal 4 of the IP67 connector.
- Blue wire from the universal cable: Connect to the - terminal of the NH₃ transmitter.
- Gray wire from the universal cable: Connect via a terminal block to the - wire of the 24 V power supply (black wire).
- + wire of the 24 V power supply (black and gray) should be connected to the + terminal of the NH₃ transmitter.



Case No. 2: Alternative wiring with a Nano SPY U

- Brown wire: Connect to the - wire of the 24 V power supply (black wire)
- Blue wire: Connect to the - terminal of the NH₃ transmitter
- + wire of the 24 V power supply (black and gray) should be connected to the + terminal of the NH₃ transmitter



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