

DATASHEET

E2618

Evikon

Distributed by AKRIBIS





Ammonia Transmitter E2618-NH3-E



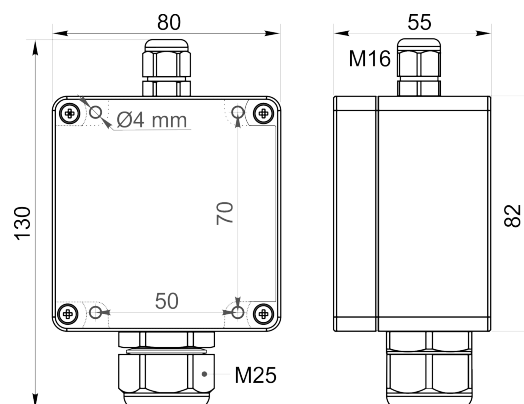
Features

- Wall-mount or duct-mount version
- Industrial IP65 housing
- Two analog outputs settable to 4-20 mA or 0-10 V
- RS485 Modbus RTU digital interface
- Attached or remote sensor

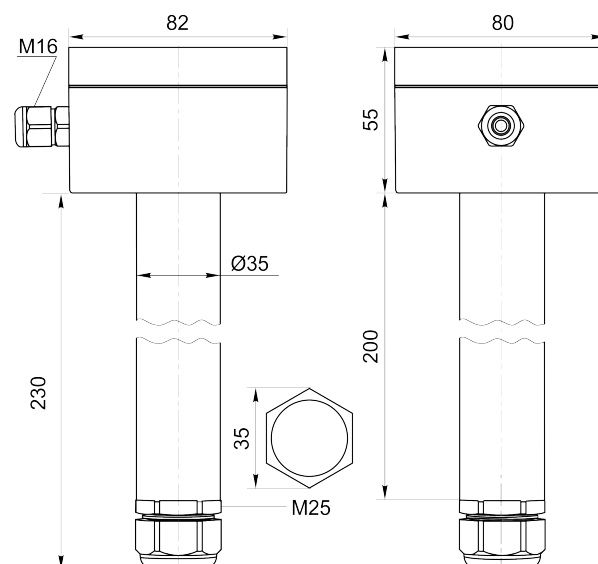
Specifications

Calibration	Ammonia NH ₃			
Sensor type	Electrochemical			
Sampling method	Diffusion			
Detection ranges, ppm	0...100	0...300	0...1000	0...5 000
Maximum overload, ppm	200	500	1500	10 000
Response time T90, s	< 75	< 75	< 75	< 120
Resolution, ppm	1			
Signal update	Every 1 second			
Sensor lifetime	> 2 years			
Maintenance interval	6 months			
Self-diagnostics	Full functionality check at start-up			
Warm-up time	≤ 1 min			
Power supply	12...36 VDC (default) 24 VAC as option			
Power consumption	< 2 VA			
Digital interface	RS485, Modbus RTU protocol			
Analog outputs	2 × 4-20 mA / 0-10 V, user settable			
Output scale width	Recommended: 20-100% of the range; > 10 × resolution in any case			
Enclosure	Grey ABS plastic, wall mount, protection class IP65			
Dimensions	H82 × W80 × D55 mm			
Remote sensor probe	Protection IP65, shielded cable default cable length 3.0 m			
Operating environment	Industrial indoor and outdoor locations			
Operating conditions	-40...+50°C, -30...+50°C (for 0...5 000 ppm), 15...90 %RH non-condensing; 0,9...1,1 atm; Explosion-safe areas; Non-aggressive atmosphere			
	NOTE! The device is not suitable for areas with constantly high ammonia concentration;			
	NOTE! We offer technical solutions for extreme humidity, please ask for more information.			

Wall mount version



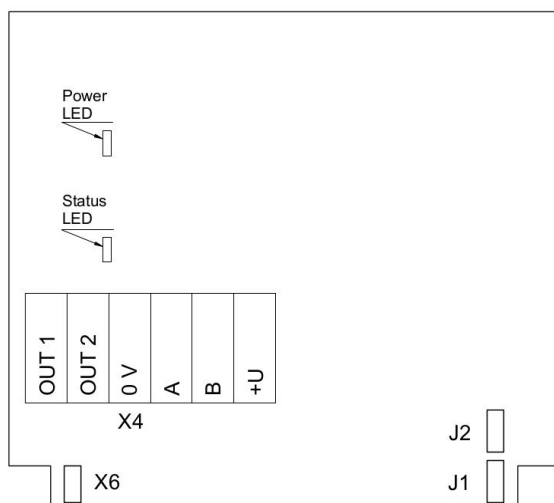
Duct mount version



Ask for other versions or custom designed products



Connection diagram



PCB without PSU and relays

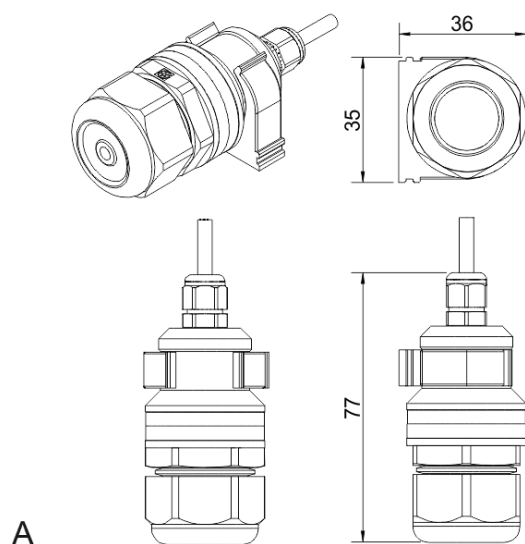
Jumpers

- J1** OUT1 type (open: 4-20 mA; closed 0-10 V)
J2 OUT2 type (open: 4-20 mA; closed 0-10 V)
X6 Reset Modbus network parameters to default

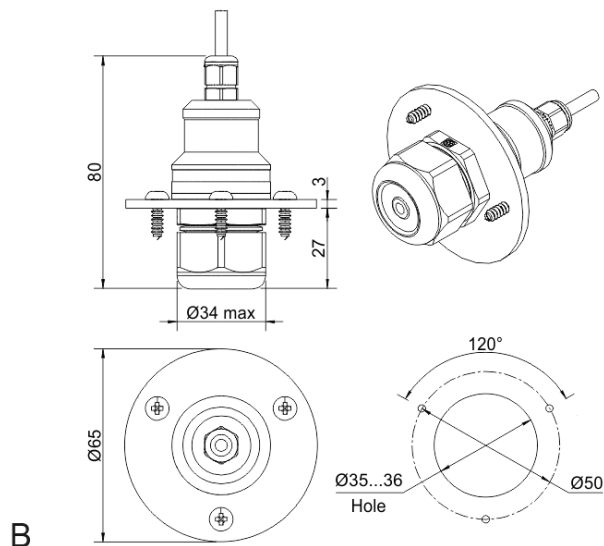
X4 terminals

- OUT1** 4-20 mA / 0-10 V output
OUT2 4-20 mA / 0-10 V output
0V 0 V / 24 VAC Neutral (optional)
A RS485 A / Data +
B RS485 B / Data -
+U +24 VDC / 24 VAC Phase (optional)

Remote probe



Wall mount remote probe with fixing clamp (default version)



Remote probe with rubber flange and three self-tapping screws (on request)

