

# NITROGEN GENERATOR

## IMT PN OnTouch

### ONTOUCH – YOUR IDEAL N<sub>2</sub> SELF-SUPPLY

The INMATEC OnTouch nitrogen technology produces nitrogen with a purity of up to 5,0 / 10 ppm (residual oxygen) and in quantities of 0.4 – 4,110 Nm<sup>3</sup>/h.

### PERMANENT N<sub>2</sub> SUPPLY

#### PROCESS:

The INMATEC Pressure Swing Adsorption Process separates the nitrogen molecules from the oxygen molecules. You may now use the high-purity nitrogen in a wide range of applications.

#### BENEFITS:

- Easy, Reliable, and Documented Nitrogen Supply
- Constant Measurement of N<sub>2</sub> Purity
- Low-Maintenance Design
- Easy Handling and Control of all Parameters with Touch Control Panel L
- Filtration as Standard

ONSITE IS OUR WORLD



#### Options:

- Redundant
- Load Sequencing Control
- Modular Extension

#### Sensors:

- Flow Measurement
- Pressure Dew Point
- Inlet Pressure
- Temperature

#### Interfaces:

- Modbus
- Profibus
- Remote Monitoring Box



**MADE IN GERMANY**



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### Compressed Air Specifications

Temperature Range: +5° C to +50° C  
 Air Quality: ISO 8573.1, Class 1: Dirt and Oil, Class 4: Water  
 Pressure Dew Point: +3° C

### Ambient Conditions

Temperature Range: +5° C to +40° C  
 Optional Temperature Range: -50° C to +60° C

### Technical Data

Electric Supply: 230V / 50Hz (110 V / 60Hz)  
 Power Consumption: 150 W  
 Protection Class: IP 54  
 Noise Level: From 55 to max. 85 dB(A)  
 Operating Pressure: Up to 11 bar (Standard: 7 bar)

### Special Design

Stainless Steel, Explosion Protection, Atex, IP 65, ASME



ISO 9001:2015

Certified quality management system in accordance with ISO 9001:2015.

### Capacity (Nm<sup>3</sup>/h)

Nitrogen Content Quality	95%	97%	98%	99%	99.5%	99.9%	99.99%	99.995%	99.999%
Residual O <sub>2</sub> (PPM)				2.0	2.5	3.0	4.0	4.5	5.0
						1,000	100	50	10
IMT PN 1150 OnTouch	5.7	4.7	4.1	3.2	2.6	1.6	0.9	0.7	0.4
IMT PN 1250 OnTouch	10.8	8.7	7.9	5.8	5.1	3.2	1.3	1.1	0.9
IMT PN 1280 OnTouch	16.5	13.4	12.0	9.0	7.7	4.8	2.4	1.8	1.3
IMT PN 1350 OnTouch	20.8	17.1	15.8	12.6	9.5	6.3	3.2	2.5	1.8
IMT PN 1450 OnTouch	31.2	25.6	23.7	18.9	14.2	9.5	4.8	3.6	2.4
IMT PN 1550 OnTouch	49.2	40.1	35.6	28.4	22.1	12.6	6.3	4.8	3.2
IMT PN 1650 OnTouch	84.0	59.9	53.8	46.6	37.8	23.2	11.7	8.8	5.8
IMT PN 1750 OnTouch	105.0	84.0	76.0	64.0	51.8	32.6	16.5	11.9	7.3
IMT PN 2000 OnTouch	140.7	116.5	98.3	77.5	63.0	38.8	19.4	14.6	9.7
IMT PN 2150 OnTouch	211.1	174.3	146.5	115.0	94.5	57.8	29.0	21.8	14.5
IMT PN 2250 OnTouch	260.4	215.3	188.0	143.9	116.6	73.4	35.8	26.9	18.0
IMT PN 3000 OnTouch	372.8	308.7	269.9	205.8	167.0	102.9	51.4	38.6	25.8
IMT PN 4000 OnTouch	442.1	366.5	320.3	244.7	198.5	121.8	60.9	45.8	30.6
IMT PN 5000 OnTouch	630.0	522.9	457.8	348.6	283.5	174.3	87.2	65.4	43.6
IMT PN 6000 OnTouch	913.5	756.0	661.5	504.0	409.5	252.0	126.0	94.5	63.0
IMT PN 8000 OnTouch	1,370.3	1,134.0	992.3	756.0	630.0	378.0	189.0	142.0	95.0
IMT PN 10.000 OnTouch	1,598.0	1,323.0	1,157.0	882.0	724.0	441.0	220.0	165.0	110.0
IMT PN 12.000 OnTouch	1,827.0	1,512.0	1,323.0	1,008.0	819.0	504.0	252.0	189.0	126.0
IMT PN 14.000 OnTouch	2,283.0	1,890.0	1,653.0	1,260.0	1,039.0	630.0	315.0	236.0	158.0
IMT PN 16.000 OnTouch	2,740.6	2,268.0	1,984.6	1,512.0	1,260.0	756.0	378.0	284.0	190.0
IMT PN 24.000 OnTouch	4,111.0	3,402.0	2,976.9	2,268.0	1,890.0	1,134.0	567.0	426.0	285.0