Primaria Teremia Mare

WEEKLY AIR-QUALITY REPORT

Timp de la: **18/01/2026, 00:00**
Timp până la: **24/01/2026, 23:59**

Numele dispozitivului: **Primaria Teremia Mare**
Locația dispozitivului: **DN59C Matei Boldovina, Teremia Mare 307405, Romania**

Parametrii: **EAQI , NO_2 , O_3 , SO_2 , $PM_{2.5}$, PM_{10} , Wind Speed , Wind Direction , CO , R. Humidity , PM_1 , PM_{100} , Pressure , Temperature**

Media indicelui de calitate al aerului (ICA): **353**

Prezentare generală zilnică: Parametrii indicelui de calitate al aerului (ICA)

	EAQI AQI	NO_2 µg/m³	O_3 µg/m³	SO_2 ppb	$PM_{2.5}$ µg/m³	PM_{10} µg/m³
Average	353	11.76	17.08	0.63	63.22	122.77
Maximum	406	19.88	23.97	2.58	84.74	199.65
Date	20/01/2026	23/01/2026	18/01/2026	23/01/2026	20/01/2026	20/01/2026
Minimum	138	6.83	6.05	0	21.86	41.35
Date	24/01/2026	18/01/2026	23/01/2026	18/01/2026	24/01/2026	24/01/2026

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Prezentare generală zilnică: Alți parametri

	Wind Speed m/s	Wind Direction degree	Battery %	CO ppb	R. Humidity %	PM1 µg/m³	PM100 µg/m³	Pressure HPa	Temperature °C
Average	2	113.45	100	559.62	87.81	51.41	144.32	1012.39	-1.76
Maximum	4.49	151.74	100	734.48	92.77	74.98	277.81	1029.44	3.61
Date	24/01/2026	24/01/2026	18/01/2026	22/01/2026	20/01/2026	23/01/2026	20/01/2026	19/01/2026	24/01/2026
Minimum	1.44	141.45	100	386.46	85.21	20.11	47.82	997.41	-5.51
Date	18/01/2026	18/01/2026	18/01/2026	24/01/2026	18/01/2026	24/01/2026	24/01/2026	23/01/2026	21/01/2026

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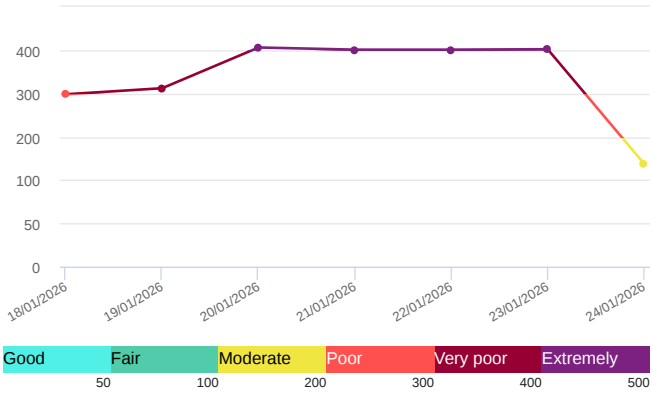
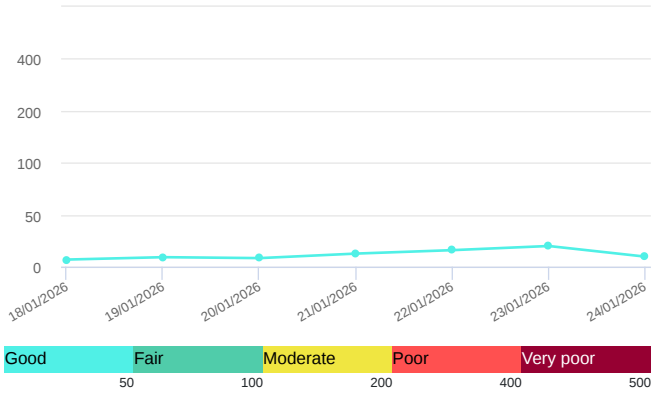
Media zilnică

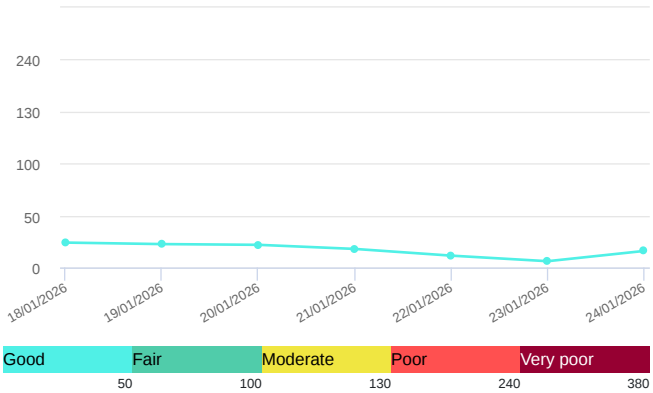
EAQI (AQI)



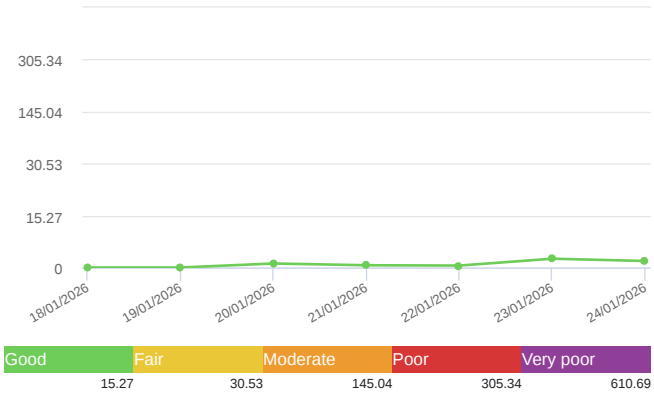
NO_2 (µg/m³)



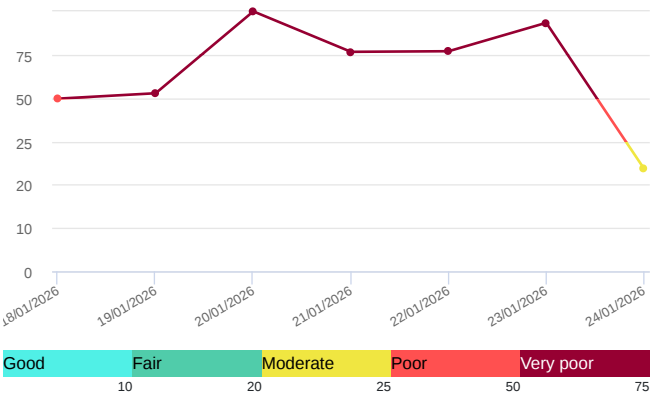
O_3 (µg/m³)



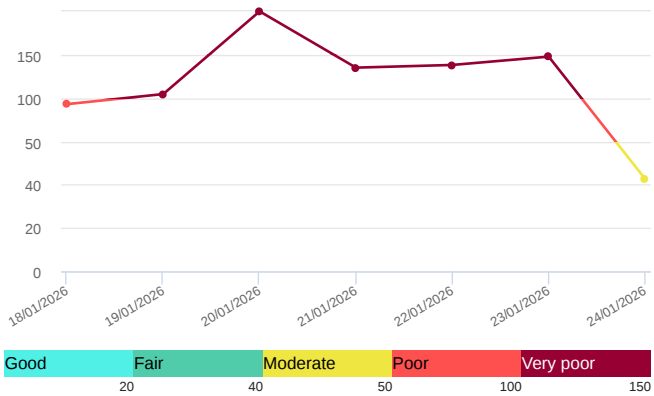
SO_2 (ppb)



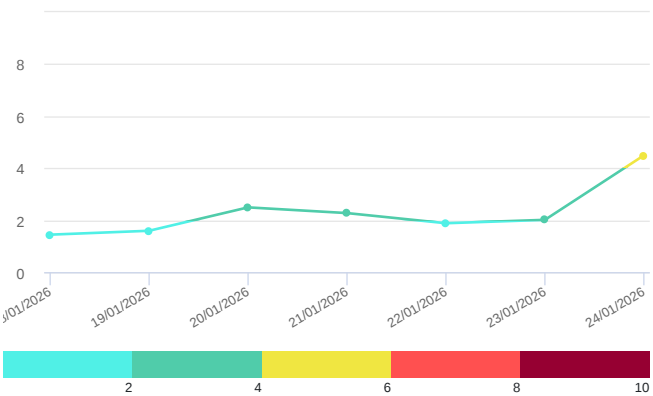
$PM_{2.5}$ (µg/m³)



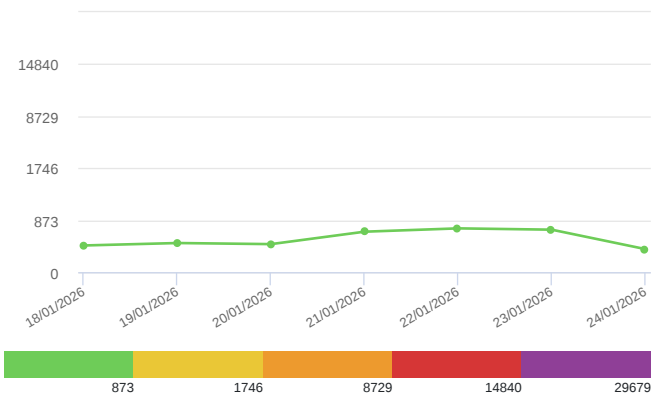
PM_{10} (µg/m³)



Wind Speed (m/s)



CO (ppb)



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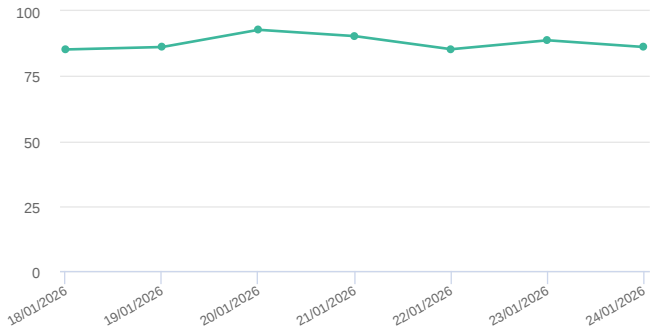
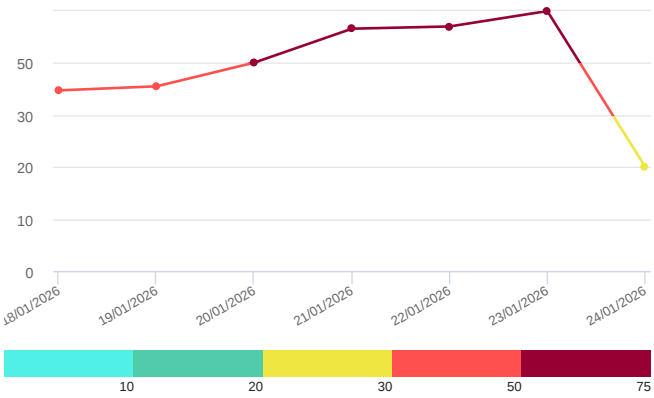
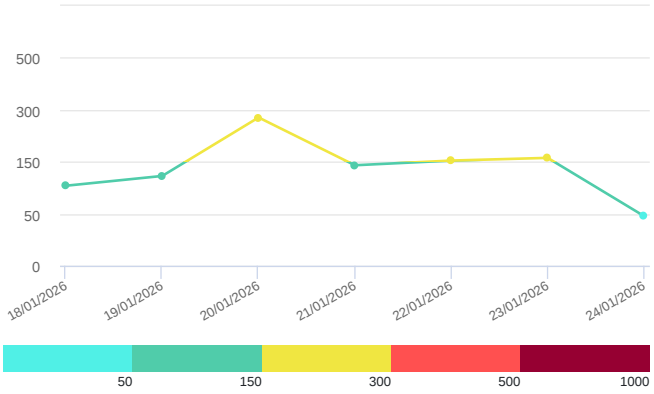
R. Humidity (%)



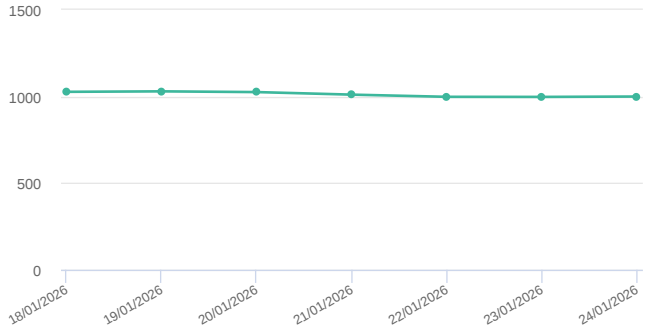
PM₁ (µg/m³)



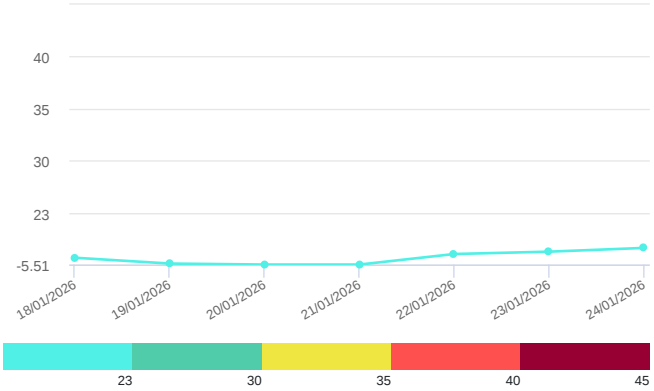
PM₁₀₀ (µg/m³)



Pressure (HPa)



Temperature (°C)



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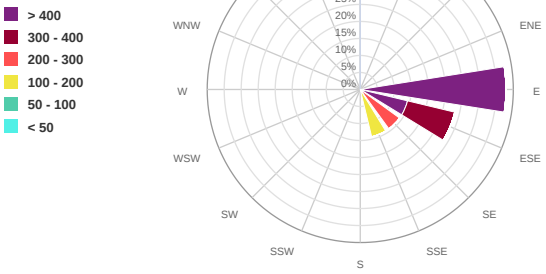
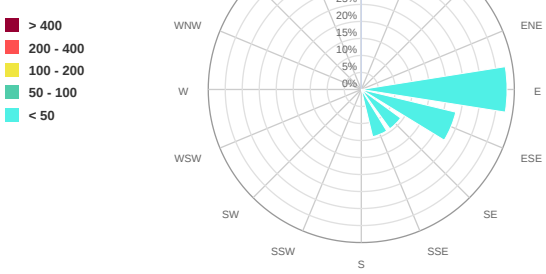
Media zilnică

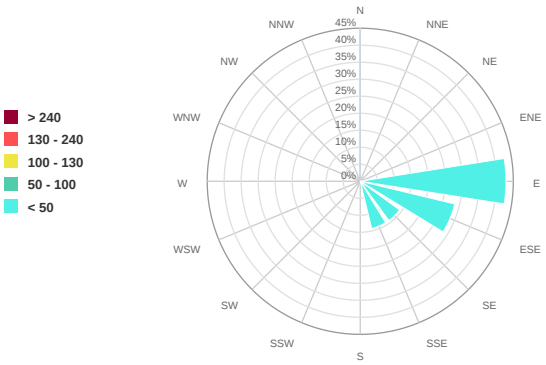
EAQI (AQI)



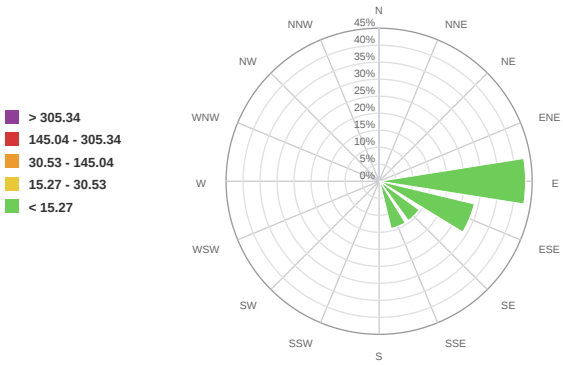
NO_2 (µg/m³)



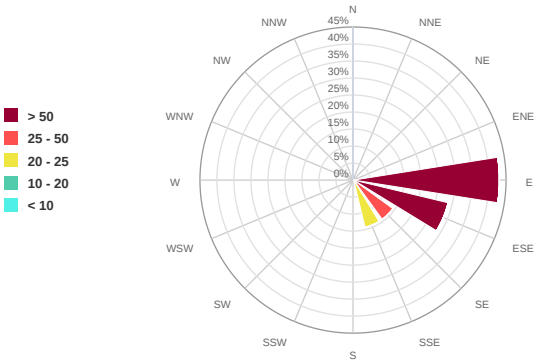
O_3 (µg/m³)



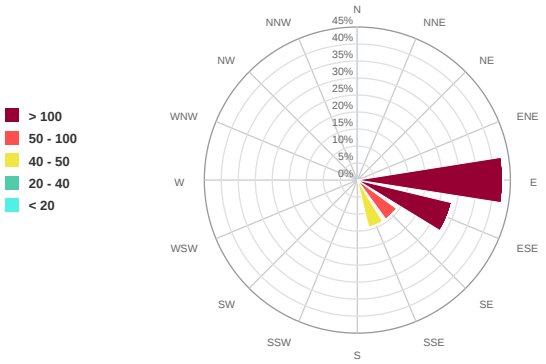
SO_2 (ppb)



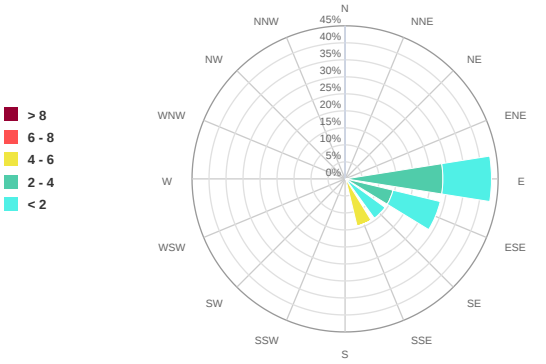
$PM_{2.5}$ (µg/m³)



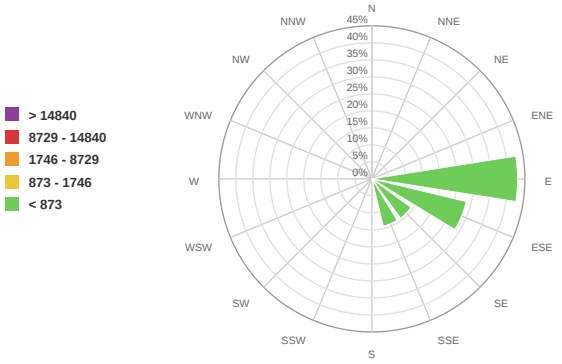
PM_{10} (µg/m³)



Wind Speed (m/s)



CO (ppb)



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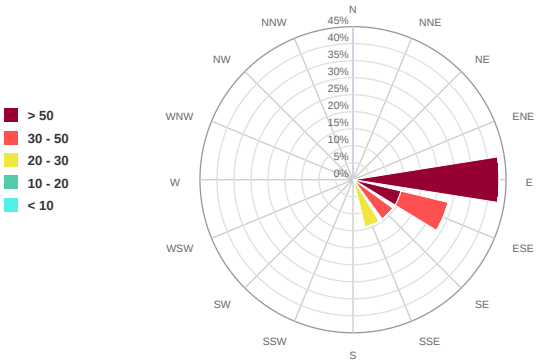
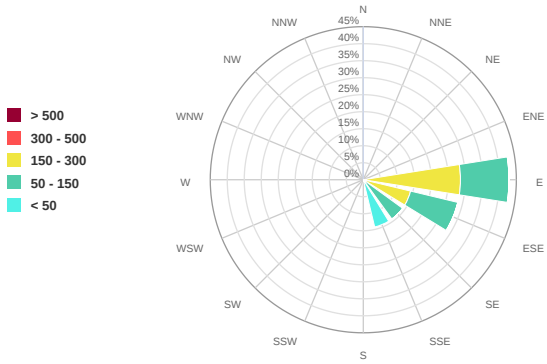
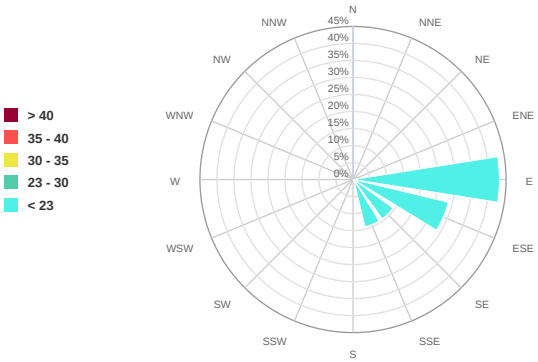
PM_1 (µg/m³)



PM_{100} (µg/m³)



Temperature (°C)



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Alerte

No alerts for the selected date and time range

Insights

- 24/01/2026, 23:59 **Air Quality Deterioration: EAQI Spike**: The EAQI shows a sharp decline, shifting from 'Poor' to 'Extremely Poor' between January 18th and January 23rd. It then shifts to Moderate on January 24th. This indicates a significant air quality crisis.
- 20/01/2026, 23:59 **Dominance of $PM_{2.5}$ and PM_{10}: Pollution Drivers**: High $PM_{2.5}$ and PM_{10} concentrations significantly contribute to the poor EAQI ratings. $PM_{2.5}$ peaks at 84.74 µg/m³ and PM_{10} reaches 199.65 µg/m³, both exceeding safe levels.
- 24/01/2026, 23:59 **Nitrogen Dioxide Levels Remain Consistently in the Good Zone**: Despite overall poor air quality, NO_2 levels remain consistently within the 'Good' zone throughout the reported period, suggesting other pollutants are driving the EAQI.
- 24/01/2026, 23:59 **Ozone Levels within Acceptable Ranges**: O_3 levels fluctuate within 'Good' to 'Moderate' ranges, not significantly contributing to the overall 'Poor' and 'Extremely Poor' air quality classifications.
- 24/01/2026, 23:59 **Sulfur Dioxide Levels Consistently Low**: SO_2 levels are very low (0-2.58 ppb), indicating minimal contribution to the air quality issues. The pollution is likely caused by other factors than SO_2.
- 24/01/2026, 23:59 **Wind Impact on Pollutant Dispersion**: Wind speeds range from 1.44 to 4.49 m/s. Changes in wind speed and direction might influence the dispersion and concentration of pollutants.
- 24/01/2026, 23:59 **PM_1 and PM_{100} Correlation**: PM_1 and PM_{100} levels show a positive correlation with $PM_{2.5}$ and PM_{10} levels respectively, indicating a mixture of coarse and fine particulate matter.
- 24/01/2026, 23:59 **Humidity's Role in Air Quality**: High relative humidity (85.21% to 92.77%) might contribute to the increase in $PM_{2.5}$ levels as moisture can aid in particle growth through coagulation.
- 22/01/2026, 23:59 **Carbon Monoxide Spikes during Poor Air Quality**: CO levels are significantly elevated during periods of 'Poor' and 'Extremely Poor' air quality, peaking at 734.48 ppb. CO suggests combustion sources.
- 24/01/2026, 23:59 **Temperature Inversion Potential**: Negative temperatures (-1.78 to 3.61 °C) coupled with high pressure (997.41 to 1029.44 HPa) may lead to temperature inversions, trapping pollutants near the ground.

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Parametrii indicelui de calitate al aerului (ICA)

Media zilnică

To Date	EAQI AQI	NO_2 µg/m³	O_3 µg/m³	SO_2 ppb	$PM_{2.5}$ µg/m³	PM_{10} µg/m³
18/01/2026, 23:59	298	6.83	23.97	0	49.62	92.92
19/01/2026, 23:59	312	9.17	22.52	0	52.76	104.55
20/01/2026, 23:59	406	8.24	21.82	1.18	84.74	199.65
21/01/2026, 23:59	401	12.59	17.87	0.66	75.64	135.03
22/01/2026, 23:59	401	15.9	11.41	0.57	75.78	138.13
23/01/2026, 23:59	402	19.88	6.05	2.58	82.17	147.74
24/01/2026, 23:59	138	9.69	15.92	1.91	21.86	41.35

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Alți parametri

Media zilnică

To Date	Wind Speed m/s	Wind Direction degree	Battery %	CO ppb	R. Humidity %	PM_1 µg/m³	PM_{100} µg/m³	Pressure HPa	Temperature °C
18/01/2026, 23:59	1.44	141.45	100	447.21	85.21	39.46	103.91	1026.75	-1.78
19/01/2026, 23:59	1.59	115.37	100	487.89	86.15	41.03	122.67	1029.44	-4.97
20/01/2026, 23:59	2.49	79.32	100	469.81	92.77	50.19	277.81	1025.2	-5.5
21/01/2026, 23:59	2.27	80.03	100	678.7	90.34	66.51	143.34	1010.46	-5.51
22/01/2026, 23:59	1.88	85.34	100	734.48	85.3	67.57	153.41	997.91	0.29
23/01/2026, 23:59	2.01	114	100	712.76	88.74	74.98	161.24	997.41	1.56
24/01/2026, 23:59	4.49	151.74	100	386.46	86.15	20.11	47.82	999.54	3.61

Oizom will not be responsible for Environmental Data accuracy once Validated

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