

Месячная ведомость учёта тепловой энергии  
и теплоносителя за Февраль 2025 на ЦО

(с 24.02.2025 по 23.03.2025)

Потребитель: ООО Мастер Абонент:  
Адрес потребителя: Кошевого,3 Телефон:  
Ответственное лицо:

Прибор: ТЭМ-104 Сер.номер: 1552654 Расход 1: 0.400 .. 160.000 м3/ч ДУ 80 мм  
Модель: ТЭМ-104 Версия ПО: Расход 2: 0.400 .. 160.000 м3/ч ДУ 80 мм

Р-Подача Q=M1(h1 - h2) Тхв.дог.=3.0°C

| Дата/Время | Q<br>[Гкал] | M1<br>[тонн] | M2<br>[тонн] | M1-M2  |        | V1<br>[куб.м.] | V2<br>[куб.м.] | V1-V2  |         | T1<br>[°C] | T2<br>[°C] | P1<br>[ат] | P2<br>[ат] | Тнар<br>[час] |
|------------|-------------|--------------|--------------|--------|--------|----------------|----------------|--------|---------|------------|------------|------------|------------|---------------|
|            |             |              |              | Подмес | Утечка |                |                | Подмес | Утечка  |            |            |            |            |               |
| 24.02.2025 | 5.2513      | 242.8444     | 242.9055     | 0.0611 | 0      | 249.2081       | 246.3398       | 0      | 2.8683  | 76.34      | 54.80      | 9.18       | 5.10       | 24.00         |
| 25.02.2025 | 5.3747      | 219.4276     | 219.8056     | 0.3779 | 0      | 225.5382       | 222.8764       | 0      | 2.6618  | 78.90      | 54.50      | 9.18       | 5.10       | 24.00         |
| 26.02.2025 | 4.9707      | 194.6239     | 195.0620     | 0.4381 | 0      | 200.0299       | 197.6758       | 0      | 2.3541  | 78.79      | 53.35      | 9.18       | 5.10       | 24.00         |
| 27.02.2025 | 4.8618      | 195.7619     | 196.1266     | 0.3646 | 0      | 201.1022       | 198.7468       | 0      | 2.3554  | 78.01      | 53.27      | 9.18       | 5.10       | 24.00         |
| 28.02.2025 | 5.1711      | 237.5470     | 237.5827     | 0.0357 | 0      | 243.7158       | 240.8758       | 0      | 2.8401  | 75.97      | 54.29      | 9.18       | 5.10       | 24.00         |
| 01.03.2025 | 5.4655      | 267.5254     | 267.4575     | 0      | 0.0679 | 274.4533       | 271.3314       | 0      | 3.1218  | 75.85      | 55.51      | 9.18       | 5.10       | 24.00         |
| 02.03.2025 | 5.2782      | 240.7105     | 240.7870     | 0.0765 | 0      | 246.9667       | 244.1122       | 0      | 2.8545  | 76.00      | 54.17      | 9.18       | 5.10       | 24.00         |
| 03.03.2025 | 4.9876      | 224.6918     | 224.8249     | 0.1331 | 0      | 230.5159       | 227.8853       | 0      | 2.6306  | 75.89      | 53.78      | 9.18       | 5.10       | 24.00         |
| 04.03.2025 | 4.9098      | 216.2667     | 216.3968     | 0.1301 | 0      | 221.8628       | 219.2810       | 0      | 2.5818  | 75.82      | 53.20      | 9.18       | 5.10       | 24.00         |
| 05.03.2025 | 4.3034      | 178.4732     | 178.6659     | 0.1928 | 0      | 183.1044       | 180.9332       | 0      | 2.1712  | 75.93      | 51.91      | 9.18       | 5.10       | 24.00         |
| 06.03.2025 | 4.0326      | 166.1374     | 166.3738     | 0.2363 | 0      | 170.4259       | 168.4544       | 0      | 1.9714  | 75.71      | 51.53      | 9.18       | 5.10       | 24.00         |
| 07.03.2025 | 4.3182      | 183.1347     | 183.3454     | 0.2107 | 0      | 187.8728       | 185.7096       | 0      | 2.1632  | 75.80      | 52.32      | 9.18       | 5.10       | 24.00         |
| 08.03.2025 | 4.3179      | 191.6573     | 191.8028     | 0.1455 | 0      | 196.6228       | 194.3820       | 0      | 2.2408  | 75.87      | 53.43      | 9.18       | 5.10       | 24.00         |
| 09.03.2025 | 4.3150      | 192.7152     | 192.8214     | 0.1062 | 0      | 197.7081       | 195.4274       | 0      | 2.2806  | 75.86      | 53.56      | 9.18       | 5.10       | 24.00         |
| 10.03.2025 | 3.7879      | 163.5946     | 163.7344     | 0.1398 | 0      | 167.8315       | 165.8841       | 0      | 1.9474  | 75.86      | 52.79      | 9.18       | 5.10       | 24.00         |
| 11.03.2025 | 4.7257      | 207.3484     | 207.4915     | 0.1431 | 0      | 212.7182       | 210.2521       | 0      | 2.4661  | 75.86      | 53.16      | 9.18       | 5.10       | 24.00         |
| 12.03.2025 | 4.5932      | 197.6669     | 197.8513     | 0.1844 | 0      | 202.7999       | 200.4505       | 0      | 2.3494  | 75.96      | 52.82      | 9.18       | 5.10       | 24.00         |
| 13.03.2025 | 5.0799      | 231.9247     | 231.9873     | 0.0626 | 0      | 237.9548       | 235.1934       | 0      | 2.7614  | 76.01      | 54.20      | 9.18       | 5.10       | 24.00         |
| 14.03.2025 | 5.3085      | 253.9755     | 253.9581     | 0      | 0.0173 | 260.5949       | 257.6129       | 0      | 2.9820  | 76.12      | 55.31      | 9.18       | 5.10       | 24.00         |
| 15.03.2025 | 5.4822      | 282.5968     | 282.4145     | 0      | 0.1823 | 289.9498       | 286.6892       | 0      | 3.2606  | 76.04      | 56.73      | 9.18       | 5.10       | 24.00         |
| 16.03.2025 | 5.5324      | 274.6741     | 274.5860     | 0      | 0.0881 | 281.8198       | 278.6336       | 0      | 3.1863  | 76.04      | 55.99      | 9.18       | 5.10       | 24.00         |
| 17.03.2025 | 5.8507      | 313.1035     | 312.7682     | 0      | 0.3353 | 321.2856       | 317.6431       | 0      | 3.6425  | 76.22      | 57.63      | 9.18       | 5.10       | 24.00         |
| 18.03.2025 | 5.2730      | 259.7372     | 259.6259     | 0      | 0.1112 | 266.4830       | 263.4235       | 0      | 3.0595  | 75.97      | 55.76      | 9.18       | 5.10       | 24.00         |
| 19.03.2025 | 5.0747      | 233.8881     | 233.9433     | 0.0552 | 0      | 239.9599       | 237.1944       | 0      | 2.7655  | 75.95      | 54.35      | 9.18       | 5.10       | 24.00         |
| 20.03.2025 | 4.6615      | 220.7526     | 220.7579     | 0.0053 | 0      | 226.4907       | 223.9001       | 0      | 2.5906  | 76.01      | 54.98      | 9.18       | 5.10       | 24.00         |
| 21.03.2025 | 4.4118      | 194.7953     | 194.9148     | 0.1195 | 0      | 199.8271       | 197.5113       | 0      | 2.3158  | 75.74      | 53.19      | 9.18       | 5.10       | 24.00         |
| 22.03.2025 | 4.6889      | 221.7255     | 221.6558     | 0      | 0.0696 | 227.4800       | 224.7998       | 0      | 2.6801  | 75.94      | 54.88      | 9.18       | 5.10       | 24.00         |
| 23.03.2025 | 4.6525      | 236.1715     | 235.8565     | 0      | 0.3150 | 241.9929       | 239.1166       | 0      | 2.8763  | 73.81      | 54.19      | 9.18       | 5.10       | 24.00         |
| Итого:     | 136.6805    | 6243.4717    | 6245.5033    | 3.2184 | 1.1868 | 6406.3149      | 6332.3357      | 0.0000 | 73.9792 | 76.15      | 54.13      | 9.18       | 5.10       | 672.00        |

Отч.пер Нараб. Gmin Gmax dTmin Эл.пит. Проч.ав.  
T [ч] 672.00 = 672.00 + 0.00 + 0.00 + 0.00 + 0.00 + 0.00  
Q [Гкал] 136.6805 = 136.6805 + 0.0000 + 0.0000 + 0.0000 + 0.0000 + 0.00000

| Нарастающим<br>итоном на: | Q<br>[Гкал] | M1<br>[тонн] | M2<br>[тонн] | V1<br>[куб.м.] | V2<br>[куб.м.] | Тнар<br>[час] |
|---------------------------|-------------|--------------|--------------|----------------|----------------|---------------|
| 24.02.2025                | 709.1866    | 30349.2715   | 30397.1888   | 31162.0489     | 30814.6105     | 4308.14       |
| 23.03.2025                | 845.8671    | 36592.7432   | 36642.6922   | 37568.3638     | 37146.9462     | 4980.14       |
| Итого:                    | 136.6805    | 6243.4717    | 6245.5033    | 6406.3149      | 6332.3357      | 672.00        |

(<) параметр < min  
(>) параметр > max  
(X) обрыв датчика  
(T) delta\_t < min  
(R) перезапуск  
(C) коррекция часов  
(#) электропитание  
(E) функц.отказ

