

МЕСЯЧНЫЙ ПРОТОКОЛ УЧЕТА ТЕПЛОВОЙ ЭНЕРГИИ И ТЕПЛОНОСИТЕЛЯ ЗА 01 мес 22 г.

Название потребителя ООО "УЮТ" Абонент _____
 Адрес потребителя Московская обл, Люберцы г, Калинина п, д. 50 Телефон _____
 Ответственное лицо _____

Вычислитель ТС-400-4-4-2-1 Сер. Nom. 141273 Расход под 40.000 м3/ч Ду 50
 Отчётное число месяца 1 Отчётное время 00:00 Расход обр 40.000 м3/ч Ду 50

| Дата | Qтеп [Гкал] | tпод [оС] | tобр [оС] | Gпод [тонн] | Gобр [тонн] | Gпод-Gобр [тонн] | rпод [ат] | rобр [ат] | Tнар [час] | НС |
|-------|----------------|--------------|--------------|----------------|----------------|---------------------|--------------|--------------|---------------|----|
| 10.12 | 5.34665 | 67.2 | 58.1 | 589.876 | 619.451 | -29.575 | 0.8 | 0.8 | 24.00 | |
| 11.12 | 5.78884 | 69.9 | 60.1 | 590.353 | 620.677 | -30.324 | 0.8 | 0.8 | 24.00 | |
| 12.12 | 4.65373 | 62.8 | 54.9 | 590.898 | 620.496 | -29.598 | 0.8 | 0.8 | 24.00 | |
| 13.12 | 3.62725 | 55.4 | 49.3 | 591.958 | 618.761 | -26.803 | 0.8 | 0.8 | 24.00 | |
| 14.12 | 3.55017 | 54.8 | 48.8 | 591.971 | 618.042 | -26.071 | 0.8 | 0.8 | 24.00 | |
| 15.12 | 3.38473 | 53.8 | 48.1 | 593.234 | 618.409 | -25.175 | 0.8 | 0.8 | 24.00 | |
| 16.12 | 3.00355 | 51.4 | 46.3 | 594.150 | 618.444 | -24.294 | 0.8 | 0.8 | 24.00 | |
| 17.12 | 2.84980 | 50.1 | 45.3 | 593.697 | 617.511 | -23.814 | 0.8 | 0.8 | 24.00 | |
| 18.12 | 3.14956 | 52.3 | 47.0 | 592.666 | 617.412 | -24.746 | 0.8 | 0.8 | 24.00 | |
| 19.12 | 3.15855 | 52.7 | 47.4 | 593.169 | 618.362 | -25.193 | 0.8 | 0.8 | 24.00 | |
| 20.12 | 4.41788 | 61.4 | 54.0 | 591.695 | 620.838 | -29.143 | 0.8 | 0.8 | 24.00 | |
| 21.12 | 5.88914 | 71.1 | 61.2 | 590.132 | 620.555 | -30.423 | 0.8 | 0.8 | 24.00 | |
| 22.12 | 6.51098 | 75.1 | 64.0 | 589.693 | 620.225 | -30.532 | 0.8 | 0.8 | 24.00 | |
| 23.12 | 5.42894 | 68.0 | 59.1 | 610.811 | 642.677 | -31.866 | 0.8 | 0.8 | 24.00 | |
| 24.12 | 4.94769 | 64.5 | 56.5 | 619.543 | 651.846 | -32.303 | 0.8 | 0.8 | 24.00 | |
| 25.12 | 4.97698 | 64.6 | 56.5 | 617.079 | 649.329 | -32.250 | 0.8 | 0.8 | 24.00 | |
| 26.12 | 4.60468 | 61.9 | 54.8 | 641.181 | 675.175 | -33.994 | 0.8 | 0.8 | 24.00 | |
| 27.12 | T 4.98600 | 63.7 | 56.1 | 658.845 | < 655.034 | -21.404 25.215 | 0.8 | 0.8 | 23.83 | * |
| 28.12 | 4.77471 | 60.3 | 53.5 | 701.994 | 626.209 | 75.785 | 0.8 | 0.8 | 24.00 | |
| 29.12 | 5.88345 | 66.7 | 58.3 | 700.737 | 626.213 | 74.524 | 0.8 | 0.8 | 24.00 | |
| 30.12 | 5.40438 | 64.7 | 56.9 | 699.683 | 624.882 | 74.801 | 0.8 | 0.8 | 24.00 | |
| 31.12 | 4.36450 | 58.3 | 52.0 | 700.715 | 625.269 | 75.446 | 0.9 | 0.9 | 24.00 | |
| 01.01 | 3.62395 | 53.7 | 48.5 | 701.265 | 626.120 | 75.145 | 0.9 | 0.9 | 24.00 | |
| 02.01 | 4.45223 | 58.6 | 52.2 | 700.594 | 625.025 | 75.569 | 0.9 | 0.9 | 24.00 | |
| 03.01 | 4.76113 | 60.6 | 53.8 | 699.997 | 624.694 | 75.303 | 0.9 | 0.9 | 24.00 | |
| 04.01 | 4.79209 | 60.9 | 54.0 | 701.371 | 625.959 | 75.412 | 0.8 | 0.8 | 24.00 | |
| 05.01 | 4.53770 | 59.5 | 53.1 | 701.832 | 626.268 | 75.564 | 0.8 | 0.8 | 24.00 | |
| 06.01 | 3.45977 | 52.8 | 47.9 | 699.585 | 626.079 | 73.506 | 0.8 | 0.8 | 24.00 | |
| 07.01 | 3.80133 | 54.6 | 49.2 | 699.606 | 625.938 | 73.668 | 0.9 | 0.8 | 24.00 | |
| 08.01 | 4.19997 | 57.3 | 51.3 | 701.202 | 627.135 | 74.067 | 0.8 | 0.8 | 24.00 | |
| 09.01 | 4.27715 | 57.7 | 51.6 | 702.019 | 627.644 | 74.375 | 0.8 | 0.8 | 24.00 | |
| 10.01 | 4.41857 | 58.8 | 52.5 | 700.675 | 626.990 | 73.685 | 0.8 | 0.8 | 24.00 | |
| 11.01 | 5.05172 | 62.4 | 55.2 | 700.075 | 629.266 | 70.809 | 0.8 | 0.8 | 24.00 | |
| 12.01 | 5.85034 | 67.2 | 58.9 | 701.742 | 631.031 | 70.711 | 0.8 | 0.8 | 24.00 | |
| 13.01 | 5.80101 | 67.5 | 59.2 | 701.894 | 631.506 | 70.388 | 0.8 | 0.8 | 24.00 | |
| 14.01 | 3.37817 | 52.4 | 47.6 | 699.847 | 630.312 | 69.535 | 0.8 | 0.8 | 24.00 | |
| 15.01 | 3.72277 | 54.7 | 49.4 | 699.883 | 630.242 | 69.641 | 0.8 | 0.8 | 24.00 | |
| Итого | 166.83006 | 60.3 | 53.3 | 24155.667 | 23240.026 | 507.508 423.149 | 0.8 | 0.8 | 887.83 | |

Тотч. пер. = Tнар + Tmin + Tmax + Tdelta_t<мин + Тэл.пит + Tпроч.ав.
 888,00ч = 887,83ч + 0,00ч + 0,00ч + 0,02ч + 0,14ч + 0,01ч

| Т/С Система ЦО нарастающим итогом | Qтеп [Гкал] | Gпод [тонн] | Gобр [тонн] | Tнар [час] |
|--------------------------------------|----------------|----------------|----------------|---------------|
| 16-01-22 00:00 | 5088.94081 | 930308.790 | 937420.118 | 38261.53 |
| 10-12-21 00:00 | 4922.11075 | 906153.123 | 914180.092 | 37373.70 |
| Итого | 166.83006 | 24155.667 | 23240.026 | 887.83 |

Тотч = 888,00ч

Расшифровка ошибок:
 (<) параметр < min
 (>) параметр > max
 (X) обрыв датчика
 (T) delta_t < min
 (R) перезапуск
 (C) коррекц. часов
 (#) электропитание

17.01.22 Подпись _____

МЕСЯЧНЫЙ ПРОТОКОЛ УЧЕТА ТЕПЛОВОЙ ЭНЕРГИИ И ТЕПЛОНОСИТЕЛЯ ЗА 01 мес 22 г.

Название потребителя ООО "УЮТ" Абонент _____
 Адрес потребителя Московская обл, Люберцы г, Калинина п, д. 50 Телефон _____
 Ответственное лицо _____

Вычислитель ТС-400-4-4-2-1 Сер. ном. 141273 Расход под 40.000 м3/ч Ду 50 мм
 Отчётное число месяца 1 Отчётное время 00:00 Расход обр 32.000 м3/ч Ду 40 мм

| Дата | Qтеп [Гкал] | tпод [°C] | tобр [°C] | Vпод [м3] | Vобр [м3] | Vпод-Vобр [м3] | pпод [ат] | pобр [ат] | Tнар [час] |
|-------|----------------|--------------|--------------|--------------|--------------|-------------------|--------------|--------------|---------------|
| 10.12 | 2.01827 | 64.2 | 54.5 | 107.144 | 85.966 | 21.178 | 7.9 | 8.1 | 24.00 |
| 11.12 | 2.19569 | 64.2 | 54.5 | 109.685 | 85.428 | 24.257 | 7.9 | 8.1 | 24.00 |
| 12.12 | 2.23148 | 64.3 | 54.7 | 110.980 | 86.096 | 24.884 | 8.0 | 8.2 | 24.00 |
| 13.12 | 2.11539 | 64.3 | 54.7 | 109.602 | 86.772 | 22.830 | 8.0 | 8.1 | 24.00 |
| 14.12 | 2.05596 | 64.3 | 54.7 | 108.352 | 86.561 | 21.791 | 7.9 | 8.1 | 24.00 |
| 15.12 | 2.13884 | 64.3 | 54.8 | 110.387 | 87.110 | 23.277 | 8.0 | 8.2 | 24.00 |
| 16.12 | 2.08435 | 64.3 | 55.0 | 111.830 | 89.696 | 22.134 | 7.9 | 8.1 | 24.00 |
| 17.12 | 2.01850 | 64.4 | 54.9 | 109.314 | 88.260 | 21.054 | 8.1 | 8.2 | 24.00 |
| 18.12 | 2.06895 | 64.3 | 54.8 | 109.272 | 87.246 | 22.026 | 8.1 | 8.3 | 24.00 |
| 19.12 | 2.29230 | 64.3 | 55.0 | 113.261 | 87.113 | 26.148 | 8.2 | 8.4 | 24.00 |
| 20.12 | 2.12830 | 64.4 | 55.1 | 113.783 | 90.946 | 22.837 | 8.0 | 8.2 | 24.00 |
| 21.12 | 2.15186 | 64.2 | 54.8 | 112.837 | 89.540 | 23.297 | 7.9 | 8.0 | 24.00 |
| 22.12 | 2.22016 | 64.3 | 54.7 | 111.660 | 87.127 | 24.533 | 7.8 | 8.0 | 24.00 |
| 23.12 | 2.15106 | 64.2 | 53.9 | 104.377 | 80.679 | 23.698 | 7.9 | 8.0 | 24.00 |
| 24.12 | 2.10361 | 64.3 | 53.2 | 95.800 | 72.808 | 22.992 | 7.9 | 8.1 | 24.00 |
| 25.12 | 2.19620 | 64.2 | 53.5 | 99.444 | 74.792 | 24.652 | 8.0 | 8.2 | 24.00 |
| 26.12 | 2.27934 | 64.3 | 54.0 | 104.959 | 79.052 | 25.907 | 8.1 | 8.2 | 24.00 |
| 27.12 | 2.14636 | 64.3 | 54.0 | 103.672 | 80.219 | 23.453 | 8.0 | 8.2 | 23.85 |
| 28.12 | 2.12833 | 64.3 | 54.3 | 106.079 | 83.046 | 23.033 | 8.1 | 8.2 | 24.00 |
| 29.12 | 2.17298 | 64.4 | 54.1 | 104.348 | 80.465 | 23.883 | 8.0 | 8.2 | 24.00 |
| 30.12 | 2.13334 | 64.3 | 54.1 | 104.018 | 80.777 | 23.241 | 8.2 | 8.3 | 24.00 |
| 31.12 | 2.57746 | 64.3 | 54.2 | 109.366 | 77.764 | 31.602 | 8.5 | 8.6 | 24.00 |
| 01.01 | 2.08896 | 64.1 | 54.6 | 109.609 | 87.197 | 22.412 | 8.6 | 8.8 | 24.00 |
| 02.01 | 2.05740 | 64.5 | 54.4 | 105.461 | 83.842 | 21.619 | 8.5 | 8.7 | 24.00 |
| 03.01 | 2.07443 | 64.5 | 54.4 | 103.969 | 81.957 | 22.012 | 8.4 | 8.6 | 24.00 |
| 04.01 | 2.05775 | 64.4 | 54.5 | 106.191 | 84.545 | 21.646 | 8.3 | 8.5 | 24.00 |
| 05.01 | 2.08262 | 64.3 | 54.4 | 106.246 | 83.977 | 22.269 | 8.3 | 8.5 | 24.00 |
| 06.01 | 2.09656 | 64.2 | 54.5 | 107.669 | 85.014 | 22.655 | 8.3 | 8.5 | 24.00 |
| 07.01 | 2.07047 | 64.3 | 54.4 | 106.230 | 84.198 | 22.032 | 8.4 | 8.6 | 24.00 |
| 08.01 | 2.04468 | 64.4 | 54.5 | 106.366 | 84.864 | 21.502 | 8.4 | 8.5 | 24.00 |
| 09.01 | 2.31200 | 64.3 | 54.5 | 108.593 | 81.894 | 26.699 | 8.4 | 8.5 | 24.00 |
| 10.01 | 2.22783 | 64.4 | 54.4 | 106.846 | 81.756 | 25.090 | 8.2 | 8.4 | 24.00 |
| 11.01 | 2.10860 | 64.3 | 54.2 | 104.048 | 81.132 | 22.916 | 8.1 | 8.3 | 24.00 |
| 12.01 | 2.12774 | 64.4 | 54.3 | 104.996 | 81.858 | 23.138 | 8.1 | 8.3 | 24.00 |
| 13.01 | 2.13989 | 64.4 | 54.3 | 105.754 | 82.410 | 23.344 | 8.0 | 8.2 | 24.00 |
| 14.01 | 2.08475 | 64.1 | 54.2 | 104.899 | 82.208 | 22.691 | 8.2 | 8.4 | 24.00 |
| 15.01 | 2.22825 | 64.1 | 54.2 | 105.881 | 80.486 | 25.395 | 8.3 | 8.5 | 24.00 |
| Итого | 79.41066 | 64.3 | 54.4 | 3962.928 | 3094.801 | 868.127 | 8.1 | 8.3 | 887.85 |

Точч. пер. = Tнар + Tмакс + Tэл.пит + Tпроч.ав.
 888,00ч = 887,85ч + 0,00ч + 0,14ч + 0,01ч

| Т/С Система ГВС нарастающим итогом | Qтеп [Гкал] | Vпод [м3] | Vобр [м3] | Tнар [час] |
|---------------------------------------|----------------|--------------|--------------|---------------|
| 16-01-22 00:00 | 4803.49684 | 294115.994 | 233514.993 | 64194.20 |
| 10-12-21 00:00 | 4724.08618 | 290153.066 | 230420.192 | 63306.35 |
| Итого | 79.41066 | 3962.928 | 3094.801 | 887.85 |

Тобщ = 888,00ч

Расшифровка ошибок:
 (<) параметр < min
 (>) параметр > max
 (X) обрыв датчика
 (T) delta_t < min
 (R) перезапуск
 (C) коррекц. часов
 (#) электропитание

17.01.22 Подпись _____

0,09157