

## Wassertemperatur

## Kempt - Winterthur

ZH 581

Koordinaten 695 435 / 258 750

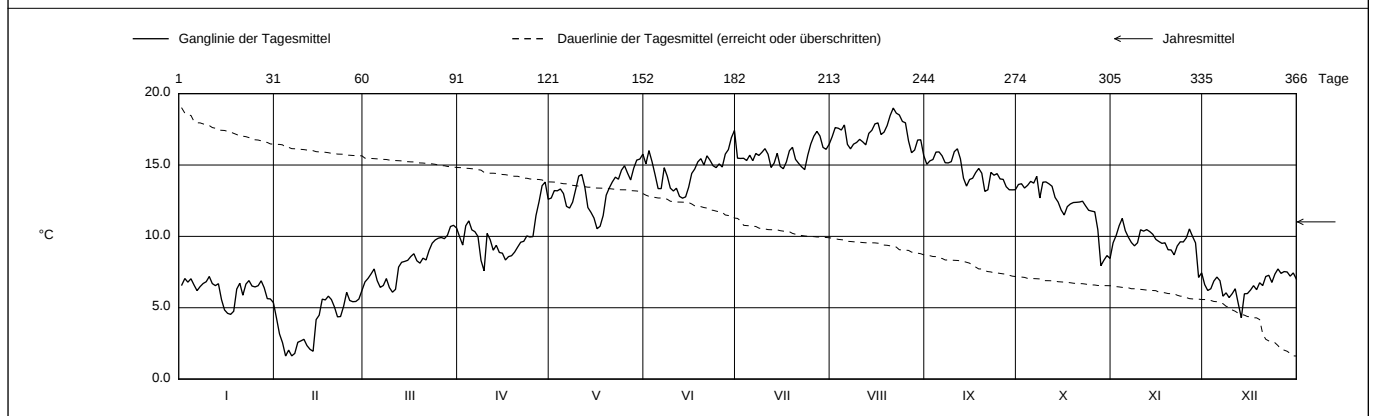
Stations Höhe 446.0 müM

Fläche 60 km2

Mittlere Höhe 588.0 müM

Vergletscherung - %

| 2012                      | Jan          | Feb          | März        | April       | Mai         | Juni        | Juli        | Aug           | Sept        | Okt        | Nov        | Dez        |    |
|---------------------------|--------------|--------------|-------------|-------------|-------------|-------------|-------------|---------------|-------------|------------|------------|------------|----|
| 1                         | 6.6          | 4.3          | 6.8         | 10.0        | 12.7        | 15.1        | 15.5        | 17.0          | 15.1        | 13.6       | 9.6        | 6.6        | 1  |
| 2                         | 7.0          | 3.2          | 7.1         | 9.4         | 13.2        | 16.0        | 15.5        | 17.6          | 15.3        | 13.7       | 10.1       | 6.2        | 2  |
| 3                         | 6.8          | 2.5          | 7.4         | 10.7        | 13.2        | 15.2        | 15.5        | 17.6          | 15.4        | 13.4       | 10.8       | 6.3        | 3  |
| 4                         | 7.0          | 1.6 -        | 7.7         | 11.1        | 13.3        | 14.3        | 15.3        | 17.5          | 15.9        | 13.6       | 11.3 +     | 6.9        | 4  |
| 5                         | 6.6          | 2.0          | 6.9         | 10.5        | 13.0        | 13.3        | 15.7        | 17.8          | 15.9        | 13.9       | 10.4       | 7.1        | 5  |
| Tagesmittel               | 6            | 6.2          | 1.6         | 6.4         | 10.3        | 12.1        | 13.3        | 16.4          | 15.6        | 13.7       | 9.9        | 6.9        | 6  |
| 7                         | 6.5          | 1.8          | 6.6         | 10.0        | 12.0        | 14.8        | 15.8        | 16.1          | 15.2        | 14.2 +     | 9.6        | 5.8        | 7  |
| 8                         | 6.7          | 2.6          | 7.0         | 8.3         | 12.4        | 14.2        | 15.7        | 16.5          | 15.1        | 12.7       | 9.3        | 6.0        | 8  |
| 9                         | 6.8          | 2.7          | 6.4         | 7.6 -       | 13.3        | 13.4        | 15.9        | 16.6          | 15.2        | 13.8       | 9.6        | 5.7        | 9  |
| 10                        | 7.2 +        | 2.8          | 6.1 -       | 10.2        | 14.2        | 13.2        | 16.1        | 16.8          | 15.9        | 13.8       | 10.5       | 6.0        | 10 |
| 11                        | 6.7          | 2.3          | 6.3         | 9.8         | 14.3        | 13.4        | 15.8        | 16.6          | 16.1 +      | 13.7       | 10.4       | 6.3        | 11 |
| 12                        | 6.5          | 2.1          | 7.8         | 9.0         | 13.4        | 12.8        | 14.8        | 16.4          | 15.4        | 13.5       | 10.5       | 5.3        | 12 |
| 13                        | 6.7          | 1.9          | 8.2         | 9.4         | 12.0        | 12.7 -      | 15.1        | 17.2          | 14.1        | 12.7       | 10.3       | 4.3 -      | 13 |
| 14                        | 5.6          | 4.2          | 8.2         | 8.9         | 11.7        | 12.8        | 15.8        | 17.4          | 13.5        | 12.4       | 10.1       | 6.0        | 14 |
| 15                        | 4.8          | 4.5          | 8.3         | 8.8         | 11.3        | 13.4        | 14.9        | 17.9          | 14.0        | 11.8       | 9.8        | 6.0        | 15 |
| °C                        | 16           | 4.6          | 5.6         | 8.6         | 8.3         | 10.5 -      | 14.4        | 14.7          | 18.0        | 14.1       | 11.5       | 9.6        | 16 |
| 17                        | 4.5 -        | 5.5          | 8.8         | 8.6         | 10.7        | 14.7        | 15.2        | 17.1          | 14.5        | 12.1       | 9.5        | 6.5        | 17 |
| 18                        | 4.8          | 5.8          | 8.3         | 8.6         | 11.5        | 15.2        | 16.0        | 17.3          | 14.8        | 12.3       | 9.5        | 6.3        | 18 |
| 19                        | 6.3          | 5.6          | 8.1         | 8.9         | 12.9        | 15.4        | 16.2        | 17.8          | 14.4        | 12.4       | 9.1        | 6.8        | 19 |
| 20                        | 6.7          | 5.1          | 8.5         | 9.3         | 13.4        | 15.0        | 15.4        | 18.5          | 13.2 -      | 12.4       | 9.0        | 6.6        | 20 |
| 21                        | 5.9          | 4.4          | 8.3         | 9.6         | 13.8        | 15.6        | 15.1        | 19.0 +        | 13.3        | 12.4       | 8.7        | 7.2        | 21 |
| 22                        | 6.7          | 4.4          | 9.0         | 9.7         | 14.1        | 15.3        | 14.9        | 18.6          | 14.5        | 12.5       | 9.3        | 7.3        | 22 |
| 23                        | 6.9          | 5.1          | 9.5         | 10.0        | 14.0        | 14.9        | 14.7 -      | 18.5          | 14.3        | 12.1       | 9.6        | 6.8        | 23 |
| + Maximum                 | 24           | 6.5          | 6.1         | 9.7         | 10.0        | 14.6        | 15.7        | 18.1          | 14.4        | 11.8       | 9.6        | 7.4        | 24 |
| 25                        | 6.5          | 5.5          | 9.9         | 10.0        | 15.0        | 15.1        | 16.5        | 18.0          | 14.0        | 11.8       | 9.9        | 7.7 +      | 25 |
| - Minimum                 | 26           | 6.5          | 5.4         | 9.9         | 11.5        | 14.4        | 14.9        | 17.0          | 14.0        | 11.7       | 10.5       | 7.4        | 26 |
| 27                        | 6.9          | 5.4          | 9.8         | 12.4        | 14.0        | 15.8        | 17.4 +      | 15.9          | 13.5        | 10.5       | 10.0       | 7.5        | 27 |
| 28                        | 6.4          | 5.6          | 10.1        | 13.6        | 14.8        | 16.1        | 17.0        | 16.0          | 13.3        | 7.9 -      | 9.5        | 7.5        | 28 |
| 29                        | 5.6          | 6.2 +        | 10.7        | 13.8 +      | 15.3        | 16.9        | 16.2        | 16.8          | 13.3        | 8.3        | 7.1 -      | 7.2        | 29 |
| 30                        | 5.6          |              | 10.8 +      | 12.6        | 15.4        | 17.4 +      | 16.1        | 16.8          | 13.3        | 8.7        | 7.4        | 7.4        | 30 |
| 31                        | 5.4          |              | 10.6        |             | 15.8 +      |             | 16.4        | 15.7 -        |             | 8.5        |            | 7.0        | 31 |
| Monatsmittel              | 6.2          | 4.0 -        | 8.3         | 10.0        | 13.3        | 14.7        | 15.7        | 17.2 +        | 14.5        | 12.2       | 9.7        | 6.6        | °C |
| Maximum (Spitze)<br>Datum | 7.7 -<br>10. | 8.0<br>29.   | 13.6<br>31. | 17.0<br>28. | 18.2<br>30. | 20.1<br>30. | 20.1<br>27. | 20.8 +<br>20. | 17.9<br>10. | 15.2<br>6. | 12.2<br>4. | 8.4<br>25. | °C |
| Minimum (Spitze)<br>Datum | 3.7<br>17.   | 0.3 -<br>13. | 4.3<br>10.  | 5.8<br>9.   | 8.4<br>17.  | 11.7<br>14. | 12.0<br>1.  | 14.4 +<br>28. | 11.7<br>21. | 7.5<br>28. | 6.4<br>29. | 3.4<br>13. | °C |
| Jahresmittel              | 11.1 °C      |              |             |             |             |             |             |               |             |            |            |            |    |



| Periode                  |                       |  |  |               |  |  |                |  |  |              |  |  | 1987 - 2012            |  |  |              |  |  |              |  |  |                |  |  |              | (26 Jahre) |  |              |    |  |              |  |  |              |  |  |    |  |
|--------------------------|-----------------------|--|--|---------------|--|--|----------------|--|--|--------------|--|--|------------------------|--|--|--------------|--|--|--------------|--|--|----------------|--|--|--------------|------------|--|--------------|----|--|--------------|--|--|--------------|--|--|----|--|
| Monatsmittel             | 5.5                   |  |  | 5.4 -         |  |  | 7.3            |  |  | 9.9          |  |  | 13.0                   |  |  | 15.1         |  |  | 16.6         |  |  | 16.9 +         |  |  | 14.8         |            |  | 12.2         |    |  | 8.8          |  |  | 6.3          |  |  | °C |  |
| Maximum (Spitze)<br>Jahr | 10.5<br>2007          |  |  | 9.6 -<br>2002 |  |  | 14.1<br>1989   |  |  | 17.0<br>1993 |  |  | 20.2<br>2009           |  |  | 23.1<br>2003 |  |  | 22.6<br>2003 |  |  | 23.7 +<br>2003 |  |  | 19.9<br>1991 |            |  | 17.2<br>1997 |    |  | 14.1<br>1995 |  |  | 11.0<br>1994 |  |  | °C |  |
| Minimum (Spitze)<br>Jahr | 1.1<br>2005           |  |  | 0.3<br>2012   |  |  | 0.2 -<br>2005  |  |  | 4.6<br>2003  |  |  | 7.3<br>1997            |  |  | 9.6<br>2006  |  |  | 10.8<br>2004 |  |  | 12.3 +<br>1993 |  |  | 10.0<br>1995 |            |  | 5.9<br>2003  |    |  | 1.8<br>2005  |  |  | 0.3<br>2005  |  |  | °C |  |
| Periode                  | Grösstes Jahresmittel |  |  | 11.9 (2003)   |  |  | Periodenmittel |  |  | 11.0         |  |  | Kleinstes Jahresmittel |  |  | 10.2 (1987)  |  |  |              |  |  |                |  |  |              |            |  |              | °C |  |              |  |  |              |  |  |    |  |

| Dauer der Wassertemperaturen (erreicht oder überschritten) |      |      |      |      |      |      |      |      |      |      |      |      |    |
|------------------------------------------------------------|------|------|------|------|------|------|------|------|------|------|------|------|----|
| Tage                                                       | 1    | 3    | 6    | 9    | 18   | 36   | 55   | 73   | 91   | 114  | 137  | 160  |    |
| 2012                                                       | 19.0 | 18.5 | 18.0 | 17.8 | 17.2 | 16.2 | 15.7 | 15.3 | 14.8 | 14.1 | 13.4 | 12.6 | °C |
| 1987 - 2012                                                | 20.1 | 19.5 | 18.9 | 18.5 | 17.8 | 16.9 | 16.2 | 15.6 | 14.9 | 14.1 | 13.1 | 12.2 | °C |
| Tage                                                       | 182  | 205  | 228  | 251  | 274  | 292  | 310  | 329  | 347  | 356  | 362  | 365  |    |
| 2012                                                       | 11.3 | 10.0 | 9.5  | 8.3  | 7.2  | 6.8  | 6.4  | 5.8  | 4.6  | 2.8  | 2.0  | 1.6  | °C |
| 1987 - 2012                                                | 11.1 | 9.8  | 8.8  | 7.8  | 6.9  | 6.3  | 5.8  | 5.2  | 4.5  | 3.9  | 3.2  | 1.9  | °C |

Von 1987 bis 1993 erfolgte die Wassertemperaturmessung bei der alten, aufgehobenen Messstation Kempt-Winterthur ZH 555.  
( ca. 400 m oberhalb der jetzigen Messstation)