

# Metadata

|                                     |   |
|-------------------------------------|---|
| <b>Standardized Instrument Name</b> | Alec CT (conductivity, temperature) sampler   |
| <b>Scheme URI</b>                   |   |
| <b>Term URI</b>                     |   |
| <b>Instrument DOI</b>               |   |
| <b>Instrument Unique ID</b>         | Alec  |
| <b>ID Type</b>                      | 1578  |
| <b>Model No.</b>                    | CT 1578   |
| <b>Instrument Type</b>              | Baseline  |
| <b>Description</b>                  | The COMPACT series instruments are small and highly accurate two-channel recorders using a micro-controller. Its 16bit A/D converter gives digital resolution of 1/65000 of the measuring range. Conductivity and Temperature sensors are located on these instruments. |
| <b>Manufacturer</b>                 | JFE Advantech Co., Ltd.   |
| <b>Manufacturer type</b>            | Organizational  |
| <b>Notes</b>                        |   |
| <b>Sensor Details</b>               |   |
| <b>Sensor Details 1</b>             |   |
| <b>Instrument Sensor Name</b>       | ACT-HR 1578 Temperature Sensor  |
| <b>Instrument Sensor Serial No.</b> |   |
| <b>Sensor Range</b>                 | -5- to +40  |
| <b>Sensor Sensitivity</b>           |   |
| <b>Sensor Units</b>                 | Degrees Celsius   |
| <b>Last Calibration Date</b>        | 2015-12-01  |

## Sensor Details 2

|                                     |                                 |
|-------------------------------------|---------------------------------|
| <b>Instrument Sensor Name</b>       | ACT-HR 1578 Conductivity Sensor |
| <b>Instrument Sensor Serial No.</b> |                                 |
| <b>Sensor Range</b>                 | 0 - 60                          |
| <b>Sensor Sensitivity</b>           |                                 |
| <b>Sensor Units</b>                 | mS/cm                           |
| <b>Last Calibration Date</b>        | 2015-12-01                      |

## Data and Resources

|                          |   |
|--------------------------|---|
| <b>URL</b>               | <a href="https://canwin-datahub.ad.umanitoba.ca/data/dataset/4f8f38d7-e3e7-4593-a397-dfaca14e5e0f/resource/e9b63f95-a7aa-4b40-a20d-b1e0b1ed42a7/download/act-hr-sn1578-2015-12-16.pdf">https://canwin-datahub.ad.umanitoba.ca/data/dataset/4f8f38d7-e3e7-4593-a397-dfaca14e5e0f/resource/e9b63f95-a7aa-4b40-a20d-b1e0b1ed42a7/download/act-hr-sn1578-2015-12-16.pdf</a> |
| <b>Name</b>              | Alec CT-1578 Calibration Certificate  |
| <b>Description</b>       | Temperature and conductivity calibration certificate for ACT-HR Compact CT 1589 Sensor  |
| <b>Format</b>            | PDF   |
| <b>Resource Category</b> | documents   |

|                          |   |
|--------------------------|---|
| <b>URL</b>               | <a href="https://cwincloud.cc.umanitoba.ca/canwin_public/mbgl_public/-/blob/main/Instruments/Manuals/Alec%20Compact%20CT%20Manual.pdf">https://cwincloud.cc.umanitoba.ca/canwin_public/mbgl_public/-/blob/main/Instruments/Manuals/Alec%20Compact%20CT%20Manual.pdf</a> |
| <b>Name</b>              | ACT-HR Alec-CT User Manual  |
| <b>Description</b>       | User Manual for ACT-HR Conductivity Temperature sensors. Link is to CanWIN Public Gitlab repository.  |
| <b>Format</b>            | PDF   |
| <b>Resource Category</b> | documents   |

## Deployment details

|              |   |
|--------------|---|
| <b>Title</b> | Lake Manitoba Mooring 2017 Deployment   |
| <b>URL</b>   | <a href="https://canwin-datahub.ad.umanitoba.ca/data/deployment_details/2017-gl_lmb_m-deployment">https://canwin-datahub.ad.umanitoba.ca/data/deployment_details/2017-gl_lmb_m-deployment</a> |

# Campaigns

|              |   |
|--------------|---|
| <b>Title</b> | MBGL Synoptic Survey 2 July 27 - August 20, 2016  |
| <b>URL</b>   | <a href="https://canwin-datahub.ad.umanitoba.ca/data/campaign/mbgl-ss2-july-august-2016">https://canwin-datahub.ad.umanitoba.ca/data/campaign/mbgl-ss2-july-august-2016</a> |
| <b>Title</b> | MBGL Synoptic Survey 1 May-June 2016  |
| <b>URL</b>   | <a href="https://canwin-datahub.ad.umanitoba.ca/data/campaign/mbgl-ss1-may-june-2016">https://canwin-datahub.ad.umanitoba.ca/data/campaign/mbgl-ss1-may-june-2016</a>       |