

THE MEASURABLE DIFFERENCE.



DEWETRON

▼

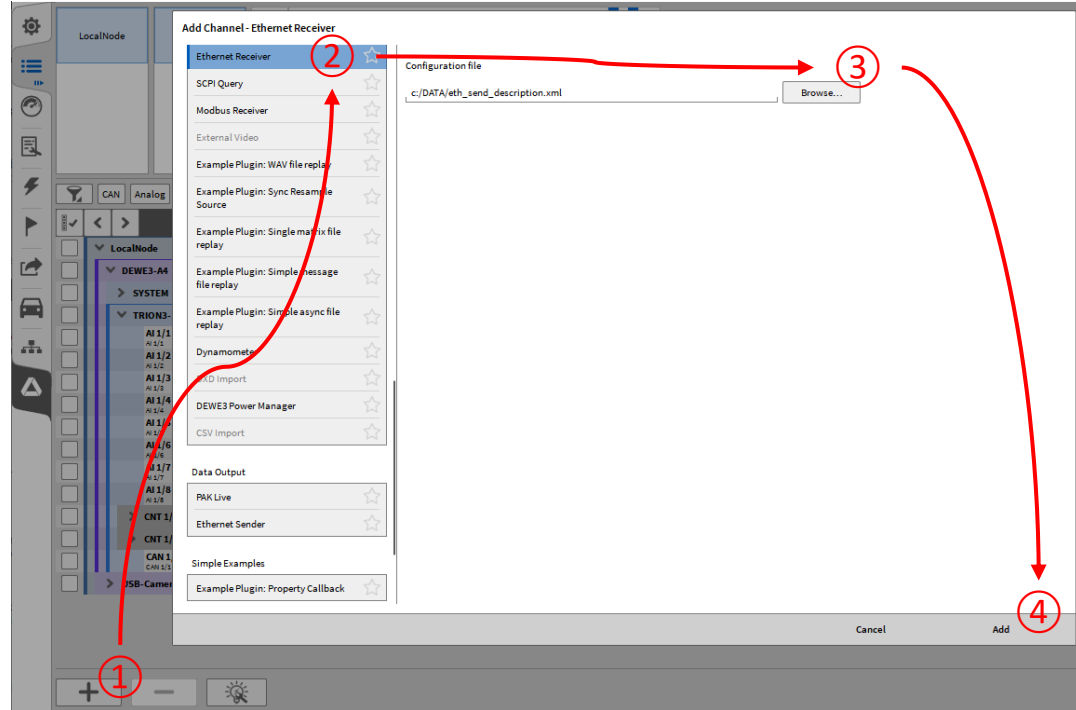
OXYGEN TRAINING > DATA SOURCES



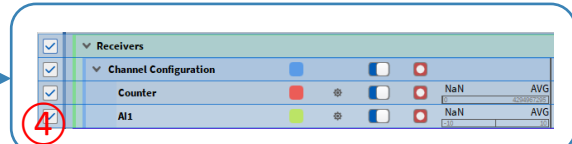


ETHERNET RECEIVER

- 1 Add Channel
- 2 Go to Data Sources -> Ethernet Receiver
- 3 Choose the Channel Configuration File .XML
- 4 Add the Ethernet Receiver



```
<?xml version="1.0" ?>
<Receiver xmlns="http://xml.dewetron.com/receiver">
  <DataStream>
    <!-- Receive all packets on UDP port 1021 -->
    <UDPSource port="1021" />
  
```





DEWETRON

MODBUS RECEIVER

- 1 Add Channel
- 2 Go to Data Sources -> Modbus Receiver
- 3 Choose the Channel Configuration File .XML
- 4 Add the Modbus Receiver

LocalNode

Add Channel - Modbus Receiver

Data Input

- Ethernet Receiver
- SCPI Query
- Modbus Receiver**
- External Video
- Example Plugin: WAV file replay
- Example Plugin: Sync Resample Source
- Example Plugin: Single matrix file replay
- Example Plugin: Simple message file replay
- Example Plugin: Simple async file replay
- Dynamometer
- DXD Import
- DEWES Power Manager
- CSV Import

Data Output

- PAK Live
- Ethernet Sender

Simple Examples

Modbus configuration file `c:/Users/Tikug/Desktop/MODBUS_DEIF_v1.1.xml`

Configuration file is valid and contains 1 device configurations.

The following 1 units will be used:

Unit	Host	Port	Unit id	Channels
MyEndpoint	192.168.80.10	502		tbd
Unit MyDevice1			1	All

Cancel Add



CSV IMPORT

1 Add Channel (offline mode, *.dmd)

2 Go to Data Sources -> CSV Import Possible in PLAY Mode (Viewer)

3 Select CSV File

4 Select:

- CSV delimiter
- Decimal separator
- First row as channel name
- Relative or Absolute time
- Or a sample rate, if CSV has no time column
- Time Offset and type

Add Channel(s)

A channel group will be created for each CSV File

Each Data column will be assigned to a separate channel

Add Channel - CSV Import

Modbus Receiver

External Video

Example Plugin: WAV file replay

Example Plugin: Sync Resample Source

Example Plugin: Single matrix file replay

Example Plugin: Simple message file replay

Example Plugin: Simple file replay

Example Plugin: Simple async file replay

Dynamometer

CSV Import 2

Simple Examples

Example Plugin: Property Callback

Protocols

XR/CPAD Decoder

ORD?

Selected CSV file: d:/DATA/m_111107_20220603_305.csv Select CSV file... 3

CSV delimiter , First row as channel name

Decimal separator . Channel Unit Unit in channel name []

1st column as time

Relative time

Equidistant

Samplerate

10 Hz

Offset Type Relative 0 s

CSV cell-split preview (shows the header and up to first 5 lines, 5 first cells)

Time [s]	Tuning Fork [mV/V]	Sig Generator [V]			
2.900000	154.710302037615				
2.900100	193.991434215989				
2.900200	214.698565882359				
2.900300	225.249542310807				
2.900400	219.306243616715				

Cancel Add 4



DEWETRON

Import *.dxd and *.d7d data

- 1 Add DXD Import channel (offline mode, *.dmd)
- 2 Choose offset type: Data can be shifted by relative time and absolute time (move 1st sample to)

Supported channels: Synchronous and asynchronous time domain channels

Offset Type	Relative	0	s
<input type="checkbox"/>	Relative		
<input type="checkbox"/>	Move 1st sample to		
<input type="checkbox"/>	Excitation	V	10000.00 Hz -3..3
<input type="checkbox"/>	Response	V	10000.00 Hz -3..3
<input type="checkbox"/>	Coherence_2X+/1X+	--	0..0
<input type="checkbox"/>	MIF	--	0..0
<input type="checkbox"/>	Ave Count	--	0..0
<input type="checkbox"/>	Excitation_1X+	V	-- 0..0
<input type="checkbox"/>	Info	--	0..0
<input type="checkbox"/>	Reject last	--	0..0
<input type="checkbox"/>	Reset point	--	0..0
<input type="checkbox"/>	Trig	--	1.00 Hz 0..0



Header Search

- ① Go to Open Data File
- ② Choose the "Search Files"
- ③ Click on „Configure“
- ④ Add all paths, where recordings should be searched. If necessary, enable search of the subfolder of the selected directories.
- ⑤ Add one or several header search conditions with the "+" button. To change from "AND" to "OR" logic, click on the buttons.
- ⑥ Select one or more recording files and open them

The screenshot shows the 'Open Data File' dialog box with the 'Search Files...' button highlighted (2). Below it, the 'Search Data File' configuration window is open. The 'Folder to scan' section shows 'C:/DATA' and 'Z:/SCPI_DST' with the 'Subfolder Search' checkbox checked (4). The 'Search Folders Selected' table lists the search paths. The 'Header' search conditions are configured with 'step_size' (40), 'frequency' (360), 'L1_freq' (1000), 'L1_AC_dis_freq' (5), 'L1_phase_shift' (5), and 'Name' (400_Dreack). The search logic is set to 'AND'. The 'Search Results' table shows several .dmd files, with 'C:/DATA/m_20240417_111553_116.dmd' selected (6). The 'Open' button is highlighted (7). At the bottom, the 'Browse...' and 'Search Files...' buttons are highlighted (2), and the file explorer icon is highlighted (1).

Header	Value	Link
step_size	IS 40	
frequency	IS square_50_Hz_Sample_Rate	
L1_freq	IS 360	
L1_AC_dis_freq	IS 1000	
L1_phase_shift	IS 5	
Name	IS 400_Dreack	

Name	Size	Date
C:/DATA/m_20240417_111933_118.dmd	14.5 MB	2024-04-17 11:19
C:/DATA/m_20240417_111607_117.dmd	15.4 MB	2024-04-17 11:16
C:/DATA/m_20240417_111553_116.dmd	10.1 MB	2024-04-17 11:11
C:/DATA/m_20240417_111553_116.dmd	8.9 MB	2024-01-08 14:33

*The header search is used to quickly skim through many OXYGEN data recordings *.dmd via search for specific header or header combinations*