OTM-X

STANDALONE OLTC EVENT RECORDER

TTL OUT

l1 l2 l3

g1 g2 g3

100~240WACVN50~60VHz

What is the OTM-X

The OTM-X is the only standalone recorder on the market using the vibroacoustic method and the motor current test, allowing the OLTC state to be watched in real time. This powerful Zensol instrument contains a powerful autonomous computer that records every tap change operation, whether the transformer is on line or not.

This combination enables you to permanently plug in the OTM-X to your network thanks to an Ethernet connection. Thus you will be able to access your data wherever you are and whenever you wish.

The OTM-X is an ideal tool to keep an eye on strategic or hard to access OLTCs (an example has already been seen in the petroleum industry).

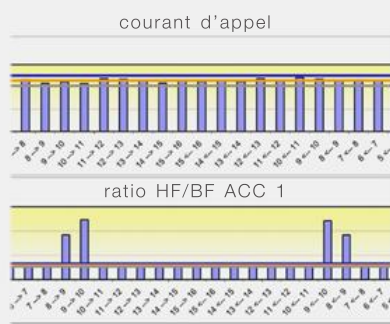The OpenZen-OTM software is then used to process, calculate and analyze the results.

Key points

- The only standalone recorder using the vibroacoutic method on OLTCs.
- Able to continuously follow the evolution of an OLTC wherever and whenever you wish.
- Tests all OLTC types or any other mechanical equipment.
- Powerful memory capacity (over 200 GB).
- Very accurate measurements thanks to a high sampling rate (10 µs/100 kHz) on six parallel inputs.

Data Transfer

Sending data
by 3G / LTE

secure cloud
to your network

Ethernet output

Network of your choice

Analysis team Zensol

Internet

Analysis Tools

courant d'appel

ratio HF/BF ACC 1

Exportable Reports

Zensol trending report helps you plan,
prioritze, and target your interventions

OTM-X
Technical
Specifications

MEASUREMENT SPECIFICATIONS

Sampling time: 10 µs to 26 ms
Sampling frequency: 38 Hz to 100 kHz
Recording time: 10 ms to 30 min
A/D conversion: 16 bits
Local storage capacity: 64GB/200GB

VIBRATION (ACCELEROMETER) INPUTS

Number: 3
Accelerometer type: ICP
Resolution: 16 bit A/D converter
Frequency range: 1 Hz to 20 kHz
Signal to noise ratio: better than 80 dB

MULTIPURPOSE ANALOG INPUTS

Number: 3
Resolution: 16 bits conversion
Frequency range; DC to 200 kHz
Accuracy: +/- 0.3 mV
Input voltage range: +/- 10 VAC (compatible with all transducer types)

COMMAND OUTPUTS

Number: 3
Type: solid state, optoisolated
Voltage range: 0-200 VDC
Maximum load current: 3.5 Amps
Turn-on time: 75 µs maximum
Turn-off time: 750 µs maximum
Can be independently turned on and off

REMOTE ACCESS

Uninterrupted control over data, test plans, programs, etc.
Able to perform remotely controlled tests.
Data is easily accessed via your network.
Completely automated scheduled tasks.

ETHERNET PORT

Bandwidth: 10/100 Mb/s
Remote control and recovery of data

USB PORT

Bandwidth: 12/480 MB/s

OPTIONAL ACCESSORIES

Accelerometers
Current probes
Local memory extensions
USB memory card
USB Bluetooth card
USB WiFi card
BNC to 10-23 cables
BNC to BNC extensions (25' and 50')
Cable reel with four 50' extensions
Accelerometer mounting bases
Glue
Watertight case

GENERAL CHARACTERISTICS

Rack Mount version
Dimensions: 19 x 3.5 x 18 inches (48.2 x 8.8 x 45.7 cm)
Weight: 13.2 lbs (6 kg)

Portable version
Dimensions: 17" x 16.5" x 10" (43 x 42 x 25.4 cm)
Weight: 25.3 lbs

Power supply: 100-240 VAC 50/60 Hz
Operating temperature: 0 to 50℃ (32℉ to 122℉)
Storage temperature: -20℃ to 70℃ (-4℉ to 158℉)

ANALOG TRIGGERING

Works with any analog input
AC or DC signals
Upward or downward transition
Works in noisy environments