







The OTM-XB is the only standalone recorder to use the vibroacoustic method that detects intermittent and sporadic operational faults on working circuit breakers.



Detected problems	Test methods	CB11		CBA-32P		CBV-X		OTM-XB	
		Online	Offline	Online	Offline	Online	Offline	Online	Offline
Contact timing	Timing test		1		1		1		
Contact bounce	Timing/Motion test		1		1		1		
Bad damping	Motion test		1		1		1		
Main contact wear	Micro-ohmmeter test		1		1		1		1
Arcing contact wear	Dynamic resistance test		1		1		1		1
Open and close coil assessment	Coil current test	1	1	1	/	1	1	1	1
Motor assessment	Curent and voltage test	1	1	1	/	1	1	1	1
First trip	Measure current over 3 phases	1		1		1	1	1	1
Bad mechanical adjustment	Vibration test					1	1	1	1
Bad alignment	Vibration test					1	1	1	1
Bad contact timing	Vibration test					1	1	1	1



The only standalone recorder to use the vibro-acoustic method on breakers

Listen to the heart of your circuit breaker like a doctor with a stethoscope.

Detect hidden problems that are undetectable by traditional methods (motion, timing)

Using vibro-acoustics.

Records vibro-acoustics tests while the breaker is ON LINE!

Your new money and time-saving tool!

Automatic recording of operations.

Once installed, it is completely autonomous.

Remote testing

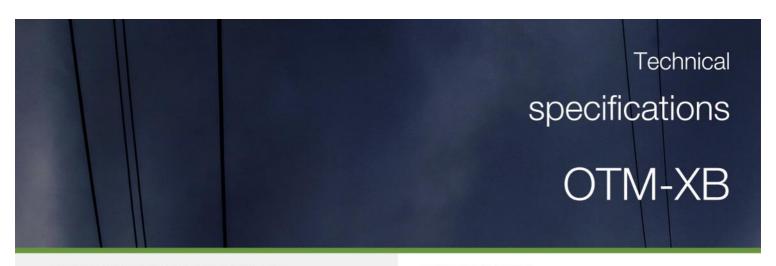












RECORDING CHARACTERISTICS

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

ACCELEROMETER INPUTS

Number: 3

Accelerometer type: ICP

Resolution: 16 bits A/D conversion

Full scale ranges: +/-50g, +/-500g, +/-1000g

Frequency range: 1 Hz to 200 kHz Signal to noise ratio: better than 80DB

MULTIFONCTION ANALOG INPUTS (16 bits)

Number: 5

Resolution:16 Bits A/D consersion

Accuracy: +/- 0.3 mV

Input voltage range: +/- 10VAC (compatible with any transdu-

cers)

COMMAD OUTPUTS

Command outputs: 3

Type: solid state, opto-isolated Voltage range: 2-200VDC Max. load current: 3.5 A Turn-on time: 75 µs maximum Turn-off time: 750 µs maximum

Independently controlled turn-on and turn-off timing

REMOTE ACCESS

- •Continious and complete control of data, test plans, software
- Ability to perform tests remotely
- •Easy access to recorded data via your network
- ·Completely automated and scheduled tasks

ETHERNET PORT

Bandwidth: 10/100 Mo/s

Remote control and retrieval of data

USB PORT

Bandwidth: 12/480 Mo/s

OPTIONAL ACCESSORIES

Accelerometers
Current clamps
Local memory expansion
USB memory stick
USB bluetooth module
USB Wi-Fi module

10-32 to BNC cables (3 feet)

BNC-to-BNC extensions (25 and 50 feet) Cable reel with 4 extensions of 50 feet Accelerometer mounting bases

Glue

Waterproof case

GENERAL CHARACTERISTICS

Size: 19" x 3.5" x 18" (48.2 x 8.8 x 45.7 cm)

Weight: 13.2 lbs (6 kg)

Power supply: 100-240 VAC 50/60 Hz +/- 10% Operating temperature range: 0 to 50°C (32°F à 122°F) Storage temperature range: -20°C to 70°C (-4°F à 158°F)

Humidity: 0-95% non condensing

ANALOG TRIGGER CAPABILITY

Works on any analog input AC or DC signals Rising or falling wavefronts Works in noisy environments

SPECIAL PROTECTION

