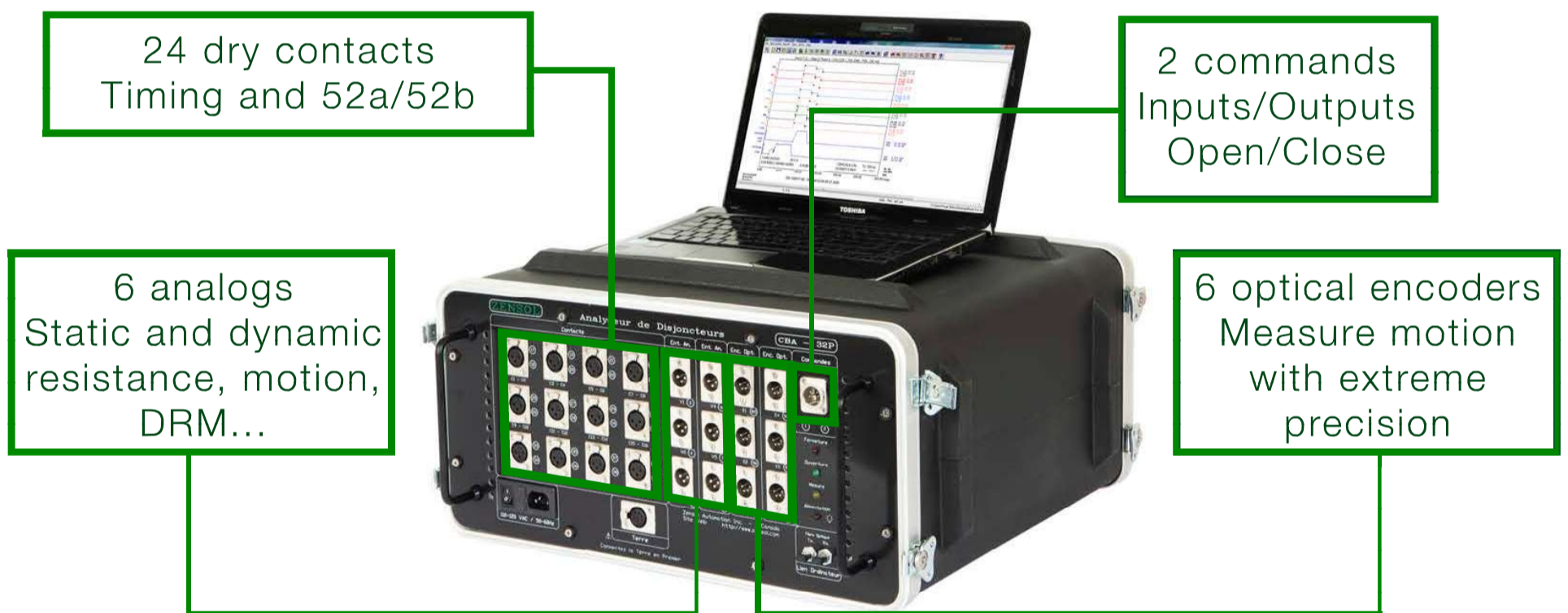


WHAT IS THE CBA-32P?

The CBA-32P is a universal analyzer with up to 24 contacts, for testing all types of circuit breakers. It can perform measurements of timing, motion and dynamic resistance of contacts, all in one single test.

Example of 24 contacts configuration CBA-32P-24C:



CBA-32P
16 CONTACTS

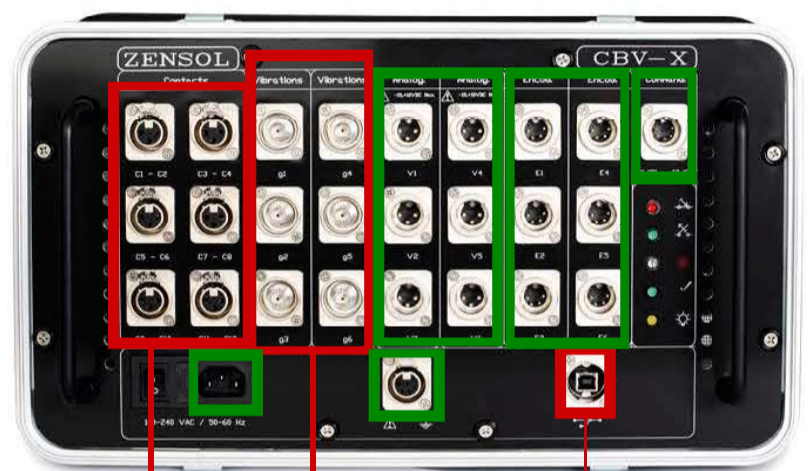


CBA-32P
8 CONTACTS

QUICK COMPARAISON BETWEEN CBA-32P AND CBV-32

CBA-32P

CBV-32



24 contacts

Fiber optic link

12 contacts

6 vibrations

USB

The CBA-32P and the CBV-32 share the same cables, same modules and the same accessories.

In red: The differences

In green: The commonalities

COMPARISON OF THE CHARACTERISTICS BETWEEN THE CBA-32P AND CBV-32

	CBA-32P characteristics	CBV-32 characteristics
Sampling frequency	10khz	200khz
Sampling time	100 microseconds (μ s)	5 microseconds (μ s)
Analog inputs	0-10 Volts	-10, +10 Volts
Analog/Digital Conversion	12 bits	16 bits
External trigger	—	Works on any analog input Rising or falling edge AC or DC Signals

PROBLEMS DETECTED AND METHODS OF TESTING ON CIRCUIT BREAKERS

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