

# TAP-4

## On-Load Tap Changer (OLTC) Analyzer

### 16-bit resolution A/D data acquisition system

Ultra fast conversion in less than 180 nanoseconds  
Precision: +/- 1 mV  
Signal to noise ratio: -84 dB

### 3 dedicated accelerometer inputs

Accelerometer type:	ICP
Sensitivity:	100 mV/G
Full scale:	+/- 50 G
Frequency range:	1 to 20,000 Hz
Excitation current:	4 to 20 mA

### 1 current input

Resolution:	16 bit conversion (+/- LSB)
Voltage range:	+/- 10 V
Frequency range:	DC to 200 KHz
Signal to noise ratio:	-84 dB

**Sampling frequency:** 100 kHz

**Sampling time:** 10  $\mu$ s

**Recording time:** unlimited

### Data link

Instantaneous data transfer to a PC via a USB Link

Autotest function for motor current  
Autotest function for accelerometers

OpenZen software allows complete control of the system

### General

Dimensions: 12.9 x 13.7 x 7 in (33 x 35 x 18 cm)  
Weight: 15.43 lb (7 kg)  
Temperature range: 0-50°C  
Storage conditions: -20° +80°C  
The only instrument which can sustain shocks and drops without damage, thanks to a powerful design dividing signals recording and signals processing.  
Robust construction (casing made of reinforced polyethylene with molded-in ribs for extra protection).  
No fragile mechanical components inside (printer, screen...).

### Included accessories

OpenZen Software with unlimited free upgrades  
Manual  
USB cable  
Ground cable

### Optional Accessories

Accelerometers and current probe  
BNC to 10-32 cables (3')  
BNC to BNC cables (10' to 50')  
Extension cable for current probe  
Carrying case for accessories  
Stud base for accelerometer mounting  
Glue



# ZENSOL.com



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**THE ONLY INSTRUMENT ABLE TO DETECT  
A WIDE VARIETY OF OLTC PROBLEMS BY  
VIBRO ACOUSTIC METHOD**

**NON-INTRUSIVE TESTING WHILE THE  
TRANSFORMER STAYS ON-LINE  
OR OFF-LINE (UP TO 800 KV!)**

**OPENZEN SOFTWARE  
CORE OF THE SOLUTION**

**STRONGLY  
BUILT  
STRONGLY  
BACKED**

