



CZ910 Dual collector/ Balancer/Analyzer

Features:

- 1 or 2 plane On-site Balancing
- 50 sets storage of balancing data
- Process clarified by vector graph
- Trial weight estimation
- Trial can be removed or remain
- Balancing weight can be decomposed to 2 required positions
- Rechargeable battery for more than 8 hours continuous operation
- Dual-channel vibration Analyzer
- 1024 lines FFT spectrum
- Spectrum and time waveform display
- Acceleration envelope demodulation
- Auto-range or manual-range for impulse vibration measurement
- Storage: 400 vibration value sets & 400 waveforms of 1024 samples software analysis spectrum
- Chinese or English language operation, 4.3 inch Color display

Specification:

- Rotation Speed: 120-60,000 r/min
- Input: Accelerometer & Voltage for velocity or displacement sensors
- Measure Acceleration, Velocity, Displacement, Voltage and Acceleration Envelope
- Balancing by the method of influence coefficient
- Vibration value accuracy 5%
- Operating Environment: -30°—95°
- Normal temperature sensor Environment: -35°—80°
- High temperature sensor Environment: -35°—180°
- Frequency response for vibration overall value & Spectrum: 0.5Hz-10kHz
- Hanning windowed Spectrum
- Measurement Range & Resolution

| | | |
|--------------|---------------------|---------------------|
| Acceleration | 250m/s ² | 0.1m/s ² |
| Velocity | 200mm/s | 0.1mm/s |
| Displace | 5000 μm | 1 μm |
| Envelope | 25m/s ² | 0.1m/s ² |

- Laser tachometer
- Size: 210*130*40mm
- Weight: 950g(including battery)

collector & balancer interface

| | | | |
|---|---|--|---|
| Point: No. <input type="text"/> | NEW data/OLD data | Channel: <input type="text"/> | Time: <input type="text"/> |
| P. name: <input type="text"/> | ACC: <input type="text"/> / <input type="text"/> m/s ² | Wave_Mode: <input type="text"/> | A_Value: <input type="text"/> B_Value: <input type="text"/> |
| Alm_mode: <input type="text"/> | VEL: <input type="text"/> / <input type="text"/> mm/s | Trig_Mode: <input type="text"/> | |
| Freq_Range: <input type="text"/> Hz | DIS: <input type="text"/> / <input type="text"/> um | Trig_Vol: <input type="text"/> | |
| Sensor: <input type="text"/> Pc/ms ² | HFA: <input type="text"/> / <input type="text"/> m/s ² | Freq_Range: <input type="text"/> Hz | |
| | Pre: <input type="text"/> New: <input type="text"/> Old: <input type="text"/> | Sen_Scale: <input type="text"/> | |
| | | Sen_A: <input type="text"/> Pc/ms ² | |
| | | Sen_B: <input type="text"/> Pc/ms ² | |
| | | Range_A: <input type="text"/> | |
| | | Range_B: <input type="text"/> | |

| | |
|--------------------------------|---------------------------------------|
| Rotor No. <input type="text"/> | SETTING |
| Setting | NUMBER OF PLANE: <input type="text"/> |
| TrialEst | MEAS. MODE: <input type="text"/> |
| TrialTest | WEIGHT UNIT: <input type="text"/> |
| | HAVE INFL COEF: <input type="text"/> |
| | SEN A: <input type="text"/> |
| | SEN B: <input type="text"/> |
| | CLEAR DATA: <input type="text"/> |
| GetResult | |
| Split | |
| Verifying | |

| | |
|--------------------------------|-----------------------------------|
| Rotor No. <input type="text"/> | INITIAL MEASUREMENT |
| Setting | MEASURE: <input type="text"/> |
| TrialEst | SPEED: <input type="text"/> r/min |
| TrialTest | |
| | AMPLITUDE |
| | A: <input type="text"/> |
| | B: <input type="text"/> |
| | PHASE |
| | <input type="text"/> ° |
| | <input type="text"/> ° |
| GetResult | |
| Split | |
| Verifying | |

| | |
|--------------------------------|--|
| Rotor No. <input type="text"/> | TRIAL2 MEASUREMENT |
| Setting | TRIAL LOCATION: <input type="text"/> ° |
| TrialEst | TRIAL WEIGHT: <input type="text"/> g |
| TrialTest | AFTER MEAS: <input type="text"/> |
| | MEASURE: <input type="text"/> |
| | SPEED: <input type="text"/> r/min |
| | AMPLITUDE |
| | A: <input type="text"/> |
| | B: <input type="text"/> |
| | PHASE |
| | <input type="text"/> ° |
| | <input type="text"/> ° |
| GetResult | MORE DETAIL AND GRAPH |
| Split | TRIAL VALID: <input type="text"/> |
| Verifying | |

| | |
|--------------------------------|-----------------------------------|
| Rotor No. <input type="text"/> | TRIAL2 RESULT |
| Setting | RETURN |
| TrialEst | A CHANGED: <input type="text"/> % |
| TrialTest | B CHANGED: <input type="text"/> % |
| | <input type="text"/> % |
| | TRIAL2 VALID: |
| GetResult | |
| Split | |
| Verifying | |

CZ910 Pack List

| | | |
|--------------------------------|---|---|
| Vibration Data Collector | | 1 |
| Accelerometer | | 2 |
| Magnetic Mount | | 1 |
| Steel Extension Probe | | 1 |
| Battery Charger | | 1 |
| Accelerometer Cable | | 3 |
| USB Communication Cable | 1 | |
| Balancing Module | | 1 |
| Tacho/Trigger Sensor and cable | | 1 |
| Reflector Paper set | | 1 |
| Quick Start Guide | | 1 |
| Software CD | | 1 |



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|-----------------------------------|---|
| SDES Software (Optional,) | |
| Certificates of CZ910 and sensors | 3 |
| Carrying Case | 1 |
| stand for tachometer sensor | 1 |