

BSZ601A Field 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

BSZ3.0 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
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Velocity	200mm/s	0.1mm/s
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Displace	5000 μm	1 μm
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Envelope	25m/s ²	0.1m/s ²
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Laser tachometer

Size: 210*130*40mm

Weight: 950g(including battery)

collector & balancer interface

Point: No. <input type="text"/>	NEW data/OLD data
P. name: <input type="text"/>	ACC: <input type="text"/> / <input type="text"/> m/s ²
Alm_mode: <input type="text"/>	VEL: <input type="text"/> / <input type="text"/> mm/s
Freq_Range: <input type="text"/> Hz	DIS: <input type="text"/> / <input type="text"/> um
Sensor: <input type="text"/> Pc/ms ²	HFA: <input type="text"/> / <input type="text"/> m/s ²
<input type="text"/>	Fre: <input type="text"/> New: <input type="text"/> Old: <input type="text"/>
	<input type="text"/>
	Hz

Channel: <input type="text"/>	Time: <input type="text"/>
Wave_Mode: <input type="text"/>	A_Value: <input type="text"/> B_Value: <input type="text"/>
Trig_Mode: <input type="text"/>	
Trig_Vol: <input type="text"/>	
Freq_Range: <input type="text"/> Hz	
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"/> °
	<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"/> °
	<input type="text"/> °
	<input type="text"/> °
GetResult	
Split	
Verifying	
	MORE DETAIL AND GRAPH
	TRIAL VALID: <input type="text"/>

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

BSZ601A Pack List

BSZ601A Vibration Data Collector	1	Tacho/Trigger Sensor and cable	1
Accelerometer	2	Reflector Paper set	1
Magnetic Mount	1	Quick Start Guide	1
Steel Extension Probe	1	BSZsoftware CD	1
Battery Charger	1	SDES Software (Optional)	
Accelerometer Cable	3	Certificates of BSZ601A and sensors	3
USB Communication Cable	1	Carrying Case	1
Balancing Module	1	stand for tacho sensor	1

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