



Testing & Measuring Everything

SENDIG - S909Z-6 Machine Condition Checker



Product Introduction

S909Z-6 Multi-Parameter Machine Condition Checker

Features:

- ◆ Multi-parameter vibration, bearing parameter (acceleration envelope) & IR temperature measuring
- ◆ One button control power, parameter selection, ISO10816 group selection, measurement and holding.

◆ With remote switch and magnet base to avoid handheld problem to get reliable and consistent data.



◆ Measuring vibration velocity, displacement & acceleration envelope to check machine/bearing health with yellow/red/green LED indicator

◆ Build-in ISO10816-2 & -3 groups selectable

◆ 4 digital LCD display

◆ Optional magnet base and remote switch

◆ Sensor included, Easy to use.

◆ Automatic power off.

- ◆ Metal case, Robust, Reliable
- ◆ Both Metric & English Unit



Specifications:

- ◆ Accuracy + 5% +2 digits
- ◆ Measurement Range & Frequency response :
 - Acceleration: 0.1 to 100 m/s² / 0.01 to 10g / 10Hz~1kHz
 - Velocity: 0.1 to 250 mm/s / 0.01 to 15 inch/s / 10Hz~1000Hz
 - Displacement: 1 to 3000 μm / 0.03 to 120 mil / 10Hz~500Hz
 - Enveloped Acceleration: 0.1 to 25 unit / 5Hz~2kHz demodulated from 3kHz~10kHz
 - Temperature: -33 to 220 °C / -27.4 to 428 °F
- ◆ Battery: 1/2 AA, 3.6V, 20-29mA, >100 hours of continuous operation.
- ◆ Pickup: Integrated accelerometer with extension stinger
- ◆ Dimensions: 110x35x17 mm; Weight: 100 g (Including battery)

Indicator for machine health according to ISO 10816-2/3:

Velocity measured

ISO 10816-3 Machinery Group 1-4

Velocity mm/s (RMS)	Group 2&4		Group 1&3	
	Rigid	Flexible	Rigid	Flexible
11	Damage Occurs			
7.1	Restricted Operation			
4.5				
3.5	Unrestricted Operation			
2.8				
2.3				
1.4	Newly Commissioned			

Displacement measured

ISO 10816-3 Machinery Group 1-4

Displacement µm (Peak_Peak)	Group 4		Group 3	
	Rigid	Flexible	Rigid	Flexible
396	Damage Occurs			
320				
255				
158	Restricted Operation			
102				
79	Unrestricted Operation			
62				
51				
31	Newly Commissioned			

ISO 10816-2 Steam Turbines And Generators

Velocity mm/s (RMS)	Speed (RPM)	
	1500	3000
11.8	Damage Occurs	
10		
8.5	Restricted Operation	
7.5		
5.3	Unrestricted Operation	
3.8		
2.8	Newly Commissioned	

ISO 10816-2 Steam Turbines And Generators

Displacement µm (Peak_Peak)	Group 2		Group 1	
	Rigid	Flexible	Rigid	Flexible
396	Damage Occurs			
320				
255	Restricted Operation			
201				
161	Unrestricted Operation			
127				
105				
82				
62	Newly Commissioned			