

ALARM INTERVALS

Tab1.

ISO 20816-3		Medium Machines Group 2		Large Machines Group 1	
Velocity		Rated Power			
in/sec eq. Peak	mm/sec RMS	15 kW - 300kW		300 kW and Up	
0,61	11,0	DAMAGE OCCURS			
0,39	7,1				
0,25	4,5	RESTRICTED OPERATION			
0,19	3,5	UNRESTRICTED OPERATION			
0,16	2,8				
0,13	2,3	NEWLY COMMISSIONED MACHINERY			
0,08	1,4				
0,04	0,7				
0,00	0,0				
Foundation		Rigid	Flexible	Rigid	Flexible

A  B  C  D 

Tab2.

IEC 60034-1	
TYPICAL ENGINE CASING TEMPERATURE	MEDIUM MACHINES
80°C – 180°C	DAMAGE OCCURS
70°C – 80°C	RESTRICTED OPERATION
0°C – 70°C	UNRESTRICTED OPERATION

A  B  C 

- ✓ Shown above is a table regarding the alarm thresholds defined by the ISO 20816-3 standard and the IEC 60034-1 standard.
- ✓ Different thresholds can be easily programmed for each channel (vibration, process)

SENSORS WIRELESS & WIRED

Image 1.



PREDICTIVE AND PROCESS MONITORING SYSTEM 6SV_2PT100_CMPT_RUT_3A_GW-MV26



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MODEL:

6SV-2PT100_CMPT_RUT_3A_GW-MV26

Components

1. Polyester box (IP-65)
 2. PLC-HMI (versions: 7" – 10")
 3. Bluetooth antenna
 4. Wi-Fi antenna
 5. 4G antenna
 6. Phantom Gateway 2.0
 7. Industrial Communications Router (4G, Wi-Fi, Cloud, etc.)
 8. Alarm Buzzer
 9. Fuse holder
 10. Silence Alarm Button
 11. RTD Temperature Sensors (2)
 12. Process Sensors (8) (Vibration, Pressure, Temperature, Lubrication, etc.)
- * Also available:
- 2 Analog outputs (0-20mA)
 - 24 digital inputs
 - 20 digital outputs
 - Communication Protocol:
 - Modbus RTU / TCP
 - OPC-UA
 - MQTT
 - Physical ports: RS232 / RS485 / Ethernet



Considerations

- L+ = 24 VDC
- 8 Analog Inputs Provided:
 - ✓ AD0, AD1 → (PT100)
 - ✓ AD2, AD3, AD4, AD5, AD6, AD7.
- Wireless sensor connection via the Gateway. (Image 1)
- Real-time local and remote monitoring.
- Greater measurement coverage: the Gateway allows you to monitor distant or hard-to-access equipment without additional wiring.
- 4 thresholds are defined for each vibration signal (Tab.1) or process signal.
- 3 thresholds are defined for each temperature signal (Tab.2)
- The measured values and related alarm thresholds are displayed on the screen.
- Automatic alerts: Email / SMS notifications for WARNING(C) or DANGER (D).
- Cloud integration.

*Optional:

- Power supply: 90 - 264VAC / 47 - 63HZ

