

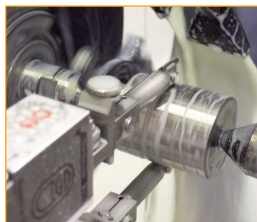
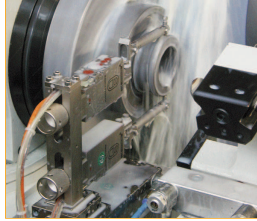


VM9 TD

ELECTRONIC UNIT FOR AE SENSORS SIGNAL ACQUISITION AND GRINDING PROCESS CONTROL

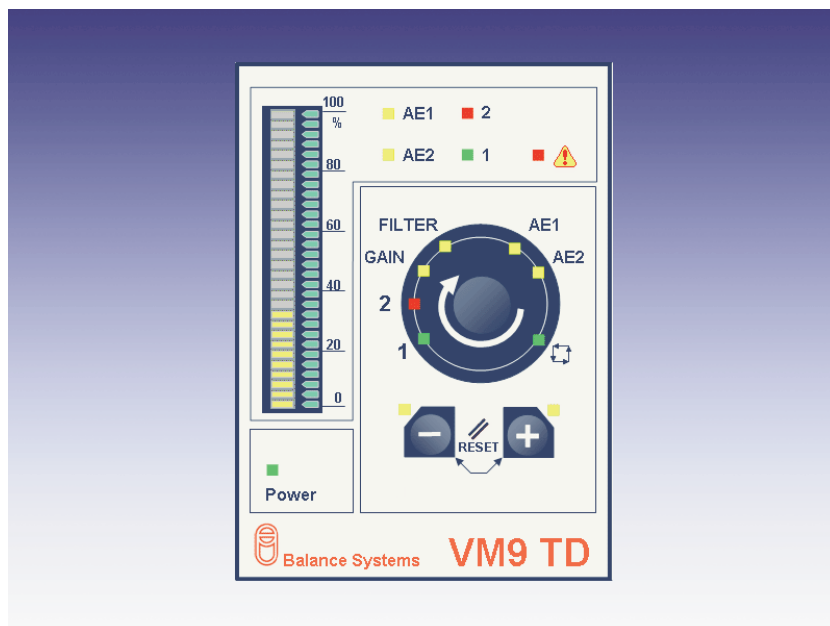
Features:

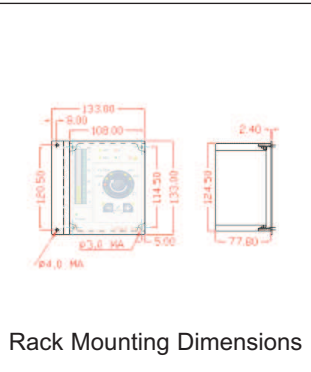
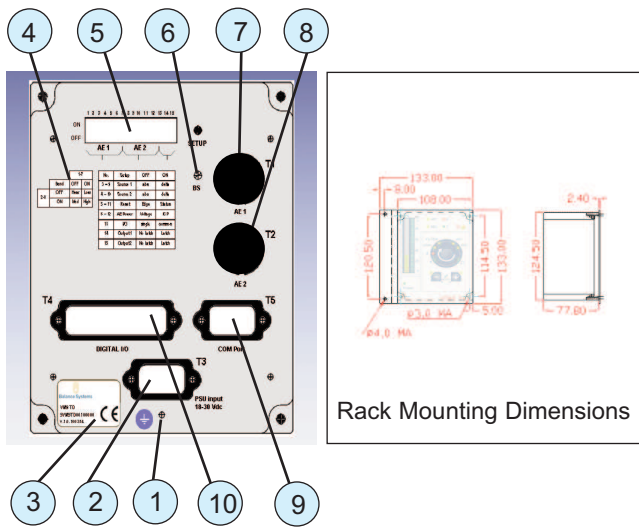
- » Handling of two AE (Acoustic Emission) channels for touch detection and anti-crash control applications.
- » Compact size.
- » Bench and rack mountable versions.
- » Bar graph linear measuring scale: 0 - 100 %.
- » Digital I/O interface to CNC/PLC compatible with different manufacturers' AE units.
- » Application customization by the user through the setup of dip switches for setting:
 - the frequency band of analog filters on input signal;
 - measurement use for each channel (absolute or incremental);
 - reset mode (edge or state);
 - signal mode of the two limits for each channel (latch or no latch);
 - AE sensors power source (voltage / ICP).
- » The operator panel provided with sensitive waterproof sandwich keyboard allows:
 - setting for each AE channel:
 - RMS filter on the selected band;
 - two limits values;
 - gain.
 - outputs reset.
- » Memory and LED's test performed at start-up.



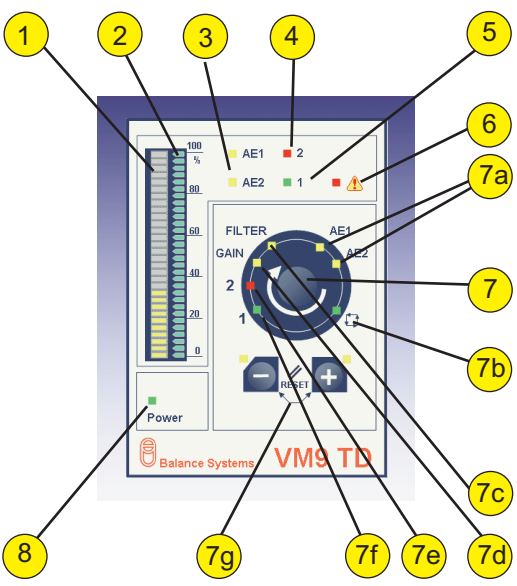
Advantages:

- » Enhances productivity
- » Reduces machine downtime
- » Improves machine stability and efficiency
- » Compatible
- » Easy to install and to use
- » Affordable












- 1) Ground terminal (M4x10)
- 2) Power source input connector
- 3) Labels:
Power source features: 18-30 VDC; 20 W.
Compliance features: CE
- 4) Setup parameters legend
- 5) Setup dip switches:
Frequency band selection: acoustic, low, medium, high
Measurement use: absolute or incremental
Reset mode: edge or state
AE power source: voltage or ICP
Common I/O: single or common
Output signalling mode: latch / no latch
- 6) Reset button to factory preset parameters
- 7) AE channel 1 connector
- 8) AE channel 2 connector
- 9) RS232 connector for Service
- 10) 25-pole connector for machine DIGITAL I/O
Opto-insulated, sink or source type, 24V externally energized

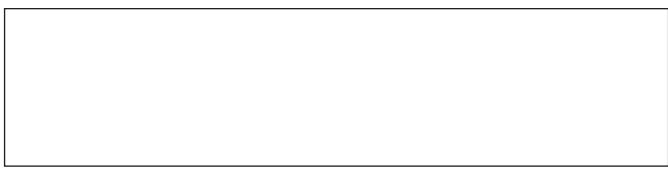


- 1) Bar graph linear scale
- 2) Limits indicator
- 3) Selected AE channel indicators
- 4) Limit 1 crossed indicator
- 5) Limit 2 crossed indicator
- 6) Warning
- 7) Setup selection button:
7a) Selection of channel AE1 and channel AE2 for setup
7b) Automatic mode
7c) RMS filter
7d) Gain
7e) Limit 2 value
7f) Limit 1 value
7g) Adjustment buttons
- 8) Main power source indicator

Acoustic Emission (AE) Transducers Types

MODEL	DESCRIPTION
	Stationary mounting
	Stationary mounting
	Rotating built-in spindle mounting
	Rotating built-in spindle mounting
	Rotating noose spindle mounting
	Rotating ring mounting
	Hydrophone (working with coolant through)

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