Electronic equipments used to test power supply of the electromagnetic vibrators.

ALIM01

230V 400V | SIND1 | SIND2

General

The AMP-VIB products are used to test accurately the electromagnetic vibrators' current at 3000 vib/min or 6000 vib/min.

General Characteristics

Current measurement at 3/8/10/15/20 Amps. • Safety fuse with the short circuit signal • Current measurement based on recommended digital tester.

Applications

Analogical or digital measurement of the electromagnetic vibrators' current. It is also possible to use safety fuses and short circuit luminous alarm.

Options

250V Voltmeter • Digital equipment to measure current • Extra fuses 3/5/6/8/10/12/15/20 Amps for a safe protection and a correct measurement max current.



METALLIC BOX
PV ALIM1 Z2 STD
165x140x80



SENSOR SIND2
PV SIND2 ZX STD

Technical Specs:

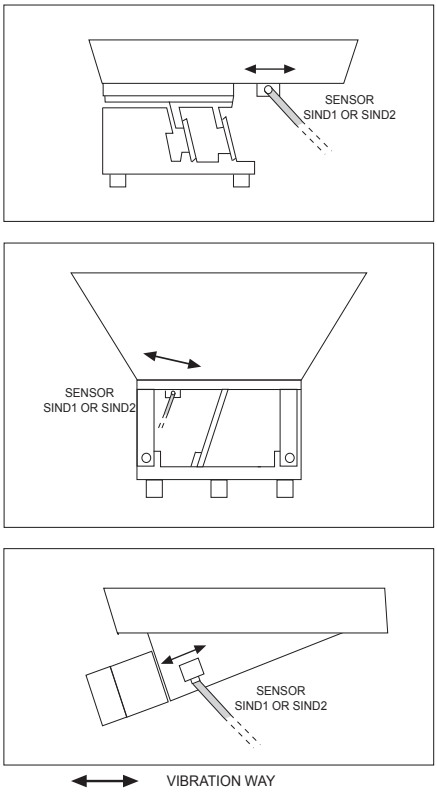
Supply voltage:	230V (400V optional) 50/60 Hz
Power consumption:	1 watt
Fuses:	1A F 250V 5x20 H 1500A
Allarm max (RL1):	contact NO/NC 10A 250Vca max
Allarm ok vib:	contact NO/NC 10A 250Vca max
Altitude:	up to 2000 meters.
Degree of pollution:	2
Range of relat.humid.:	80% up to 31 °C
Installation class:	II
Degree protection:	IP 54
Temp. of operation:	–5°C / +55°C
Temp. of storage:	-15 °C / + 80 °C
Vibrazion Max:	Led red ON
Vibrazion Min:	Led green OFF
European norms:	EMC CE
Guarantee:	1 year (from date on circuit)

Available Versions

Type	Box	Colour	Dimensions	Code	Price €
ALIM01	Aluminium	RAL 7035	165 x 140 x 80	PV ALIM1 Z2 STD	
SIND1	Aluminium	Gray	45 x 45 x 35	PV SIND1 ZX STD	
SIND2	Resinated	Black	60 x 25 x 15	PV SIND2 ZX STD	

The sensor is put in manner such that the sensitive part is disposed according to the sense of the vibration in such position from hear again totally of the vibration.
In compatible way with the demands constructive of each vibrator are in fact possible other solutions provided that satisfy the conditions in said precedence.

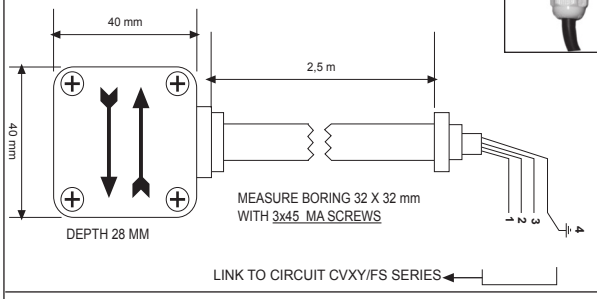
SKETCH AND CHARACTERISTIC TECHNIQUES SUBJECT TO MODIFICATIONS WITHOUT WARNING



SENSOR **MOD. SIND1**
BOX LEAGUE ALUMINIUM
STANDARD CABLE **2,5** METERS 4x0.75 MMQ black
UTILIZATION: **HEAVY USE**

CODE : **PV SIND2 ZX STD (25G)**
CODE : **PV SIND2 ZX 50G (50G)**





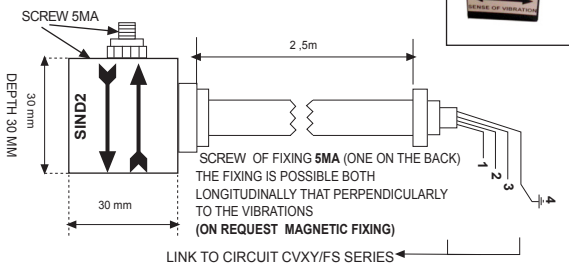
LINK TO CIRCUIT CVXY/FS SERIES

STANDARD MODELS: MAX. ACCELERATION **25G**, I.E. MAX. AMPLITUDE 5 MM AT 3000 VIB./MIN OR 1.2 MM AT 6000 VIB./MIN ON THE FASTENING POINT OF THE SENSOR. IF EXCEEDING THESE DATA, THERE WILL BE NO PROBLEMS WITH THE FUNCTION OF THE SENSOR, HOWEVER THE OUTPUT SIGNAL SATURATES ITSELF AND COMPENSATION OF VARIATIONS THEREFORE WILL BE IMPERFECT.
IN CASE OF HIGHER VIBRATIONS MOD. **50G**: MAX. ACCELERATION 50G, I.E. MAX. AMPLITUDE 10 MM AT 3000 VIB./MIN OR 2.5 MM AT 6000 VIB./MIN ON THE FASTENING POINT OF THE SENSOR.
IF EXCEEDING THESE DATA, THE SENSOR MAY BE SUBJECT TO IRREPARABLE ELECTRICAL DAMAGES. THE VIBRATION AMPLITUDE CAN BE MEASURED APPROXIMATELY BY USING APPROPRIATE PLATES HAVING A SPREAD MILLIMETER SCALE.

VIBRATION WAY

SENSOR **MOD. SIND2**
PLASTIC BOX WITH SCREW TO FIX
STANDARD CABLE **2,5** mt - 4X0.75 MMQ black
UTILIZATION : **GENERAL INDUSTRIAL USE**
CODE : **PV SIND2 ZX STD (25G)**
CODE : **PV SIND2 ZX 50G (50G)**



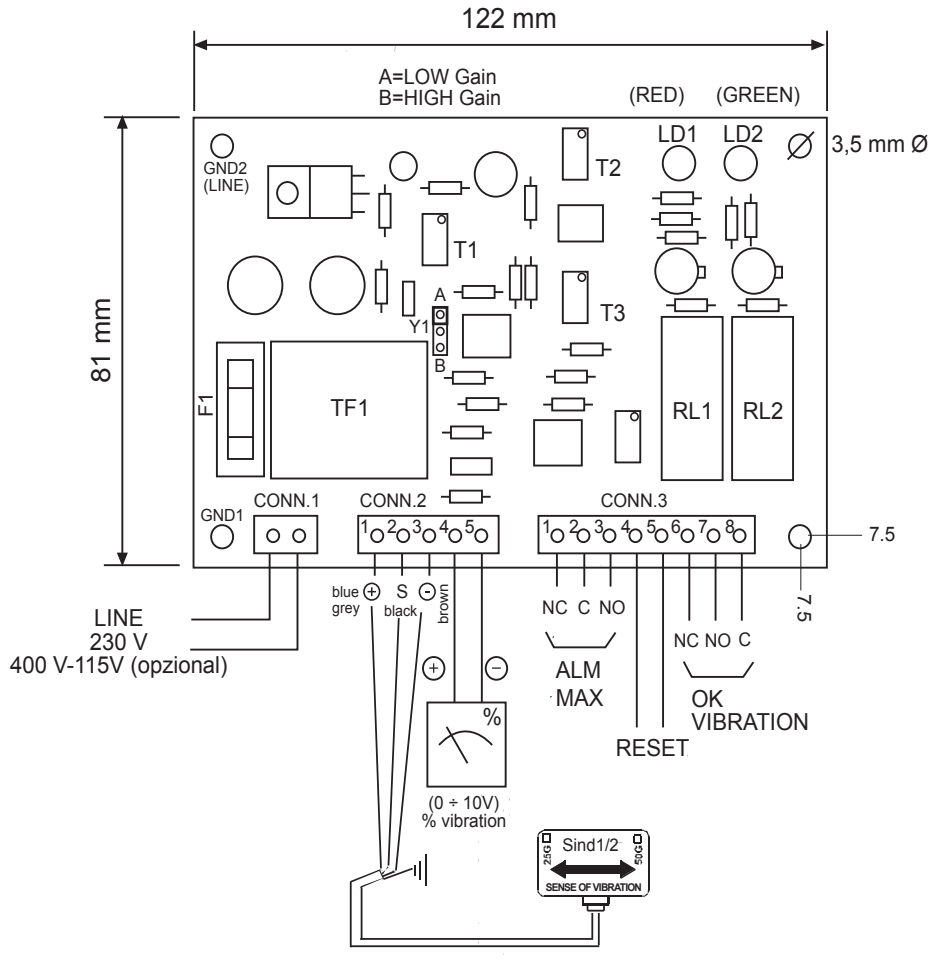


LINK TO CIRCUIT CVXY/FS SERIES

Description: VIBRATION SENSOR SIND1-SIND2

CODE	REV	DATE	DRAFTSMAN	SHEET
DTSINDYSTD	01	04/09	E. PEDRAZZI	1/1

MP ELETTRONICA QUALITY VIBRATION CONTROL



Each responsability from a wrong use of the eletronic circuit is declined

Description: Electronic assembling circuit for electromagnetic and mechanical vibrators with amplitude sensor

CODE	REV	DATE	DRAFTSMAN	SHEET
DTALIM01	01	09/09	E. PEDRAZZI	1/1

MP ELETTRONICA QUALITY VIBRATION CONTROL

INSTRUMENTS