

Document number:

TesLab 066086ECustomer: **Co.M.E.T.A. snc**Address: **Via Benvenuto Cellini N°178 - Z.I. Sambuca
Tavarnelle Val di Pesa (FI)**Equipment under test: **Bussola Antirapina mod. CoR 135.60**

Edition n° 1.20

Reference standards

EN 61000-6-1

EN 61000-6-3

Summary of test results

6.1.1	Conducted Voltage Emission.....	Pass
6.1.2	Radiated Emission	Pass
6.1.3	Harmonic Current Emission	Pass
6.1.4	Voltage Fluctuations and Flicker Emission.....	Pass
6.2.1	Immunity to Electrostatic Discharge	Pass
6.2.2	Immunity to Radiated Radio-Frequency Electromagnetic Field	Pass
6.2.3	Immunity to Fast Transients/Burst	Pass
6.2.4	Immunity to Surge	Pass
6.2.5	Immunity to Conducted Radio-Frequency Electromagnetic Field	Pass
6.2.6	Immunity to Radiated Magnetic Field	Pass
6.2.7	Immunity to Voltage Dips / Short Interruptions.....	Pass

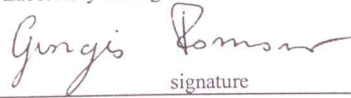
Prepared by

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Authorized by

General Manager: M. Rognini

31.07.06

date


signature

This Test Report complies with ISO/IEC 17025 (1999)

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The contents of this Test Report are only pertaining to the equipment delivered to the laboratory and listed hereinafter

1 EQUIPMENT UNDER TEST (EUT)

1.1 EUT identification

Laboratory identification code	066086E
EUT single or system	System (n°2 of devices)
EMC environment	Residential, commercial and light industry.
EUT tested as	Floor standing

Equipment	EUT-1
Trademark and model	Cometa model BUSSOLA Cor 135.60
Serial number	06270006
Power requirements	230 Vac 50 Hz
EUT description	Safety revolving door

Equipment	EUT-2
Trademark and model	--
Serial number	Co35.23
Power requirements	--
EUT description	Control console

1.2 Ports identification

This section contains the description of all the power and signal ports, the length and type of the conductors or cables provided or suggested by the manufacturer for testing purposes.

	Port	Description	Connection
1	Enclosure	material of the enclosure: plastic, metallic	--
2	AC power	CV-1 (EUT-1 ← Power Supply Network) 2 m length unshielded power supply and signals cable.	plug
3	Functional earth	5m length	screw

1.3 Interconnecting cables

Cable	Description	Connection
CV-2	(EUT-1 ← EUT-2) 2 m length Shielded cable. Shield not connected, wires not twisted.	plug

1.4 Modification embodied in the EUT

The following items are the modifications embodied in the EUT to fulfil the requirements of the applicable standards:

Modification n°	Description
0	none
1	<ul style="list-style-type: none">• Internal Power supply cable of Central Unit ,shielded.• Serial cable of internal Central Unit shielded.• Path modification of USB internal cables (see picture n°3)
2	Ferrite TDK ZCAT 3035-1330 added on CV1. See picture n°4

Test results are referred to the only EUT configurations/modifications reported in each test section (see chapter n°6).

1.5 Sampling

The EUT has been selected by the customer itself before to be delivered to the laboratory.
The extension of the test results to the whole production is up to the manufacturer/importer.

1.6 EUT storing and handling

The EUT and their auxiliary equipments when they are delivered to TesLab are recorded in the storehouse register and label with an identification code number.
Inside the laboratories the EUT are kept anonymous as far as possible.

2 SCOPE

Scope of this Test Report is to provide the customer with useful information to evaluate the EUT compliance to the requirements of the reference standards.

3 APPLICABLE DOCUMENTS

3.1 Reference standards

EN 61000-6-1 (2001)	Electromagnetic compatibility (EMC) – Part 6-1: Generic standards – Immunity for residential, commercial and light-industrial environments
EN 61000-6-3 (2001)+A11 (2004)	Electromagnetic compatibility (EMC) – Part 6-3: Generic standards – Emission standard for residential, commercial and light industrial environments

3.2 Basic standard

EN 61000-3-2 (2000)	Electromagnetic compatibility (EMC) – Part 3: Limits – Section 2: Limits for harmonic current emission (equipment input current ≤ 16 A per phase)
EN 61000-3-3 (1995)+ A1 (2001)	Electromagnetic compatibility (EMC) – Part 3 Limits – Section 3: Limits of voltage fluctuations and flicker in low-voltage supply systems for equipment with rated current ≤ 16 A.
EN 55022 (1998) + A1 (2000) + A2 (2003)	Information technology equipment – Radio disturbance characteristics – Limits and methods of measurement.
EN 61000-4-2 (1995)+ A1 (1998) + A2 (2001)	Electromagnetic compatibility (EMC). Part 4: Testing and measurement techniques – Section 2: Electrostatic discharge immunity test. Basic EMC Publication.
EN 61000-4-3 (2002)+ A1 (2002)	Electromagnetic compatibility (EMC) - Part 4: Testing and measurement techniques - Section 3: Radiated, radio-frequency, electromagnetic field immunity test.
EN 61000-4-4 (2004)	Electromagnetic compatibility (EMC). Part 4: Testing and measurement techniques – Section 4: Electrical fast transient/burst immunity test. Basic EMC publication.
EN 61000-4-5 (1995) + A1 (2001)	Electromagnetic compatibility (EMC) - Part 4: Testing and measurement techniques – Section 5: Surge immunity test.
EN 61000-4-6 (1996) + A1 (2001)	Electromagnetic compatibility (EMC). Part 4: Testing and measurement techniques.- Section 6: Immunity to conducted disturbances, induced by radio-frequency fields.
EN 61000-4-8 (1993)+A1(2001)	Electromagnetic compatibility (EMC) - Part 4: Testing and measurement techniques – Section 8: Power frequency magnetic immunity test.
EN 61000-4-11 (1994) A1 (2001)	Electromagnetic compatibility (EMC) – Part 4: Testing and measurement techniques – Section 11: Voltage dips, short interruptions and voltage variations immunity tests