



DC-0904-14.12.16

SR EN ISO 9001:2008
SR EN ISO 14001:2004
OHSAS 18001:2007

CIR /159481Q
CIR /159481I
CIR /1539481H5

S.C. ENSI CONTROL S.R.L.

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Nota de constatare

Nr. 33. Data 12.12.2016

1. **INSTALATIA:** CCR
2. **ECHIPAMENT:** Senzor de vibratie 310-VI-4628
3. **PARAMETRI/CARACTERISTICI ECHIPAMENT:**
 - Sistem de monitorizare vibratii: Bently Nevada 3500
 - Model sensor: VELOMITOR TYPE 330525-02
 - Model cablu: CONNECTION CABLE FOR VELOMITOR 106765-22
4. **DEFECTIUNI CONSTATATE:** In urma incendiului din data de 07.12.2016 la suflanta 31-C101, au fost afectate cablul de legatura si senzorul seismic de vibratie.
5. **CAUZE POSIBILE:** Incendiul.
6. **DATA ULTIMEI REPARATII:** -
7. **FIRMA REPARATOARE:** -
8. **ANUL PIF:** 2004
9. **ACTIUNI INTREPRINSE IN VEDEREA REMEDIERII:** S-a incercat reintregirea cablului de conexiune
10. **DOCUMENTE ANEXATE:** Fotografii senzor seismic
11. **SARCINA APROVIZIONARE CONFORM CONTRACT:** PLK
12. **TERMEN ESTIMAT DE REMEDIERE:** Dupa aprovizionare, la prima oprire a utilajului.

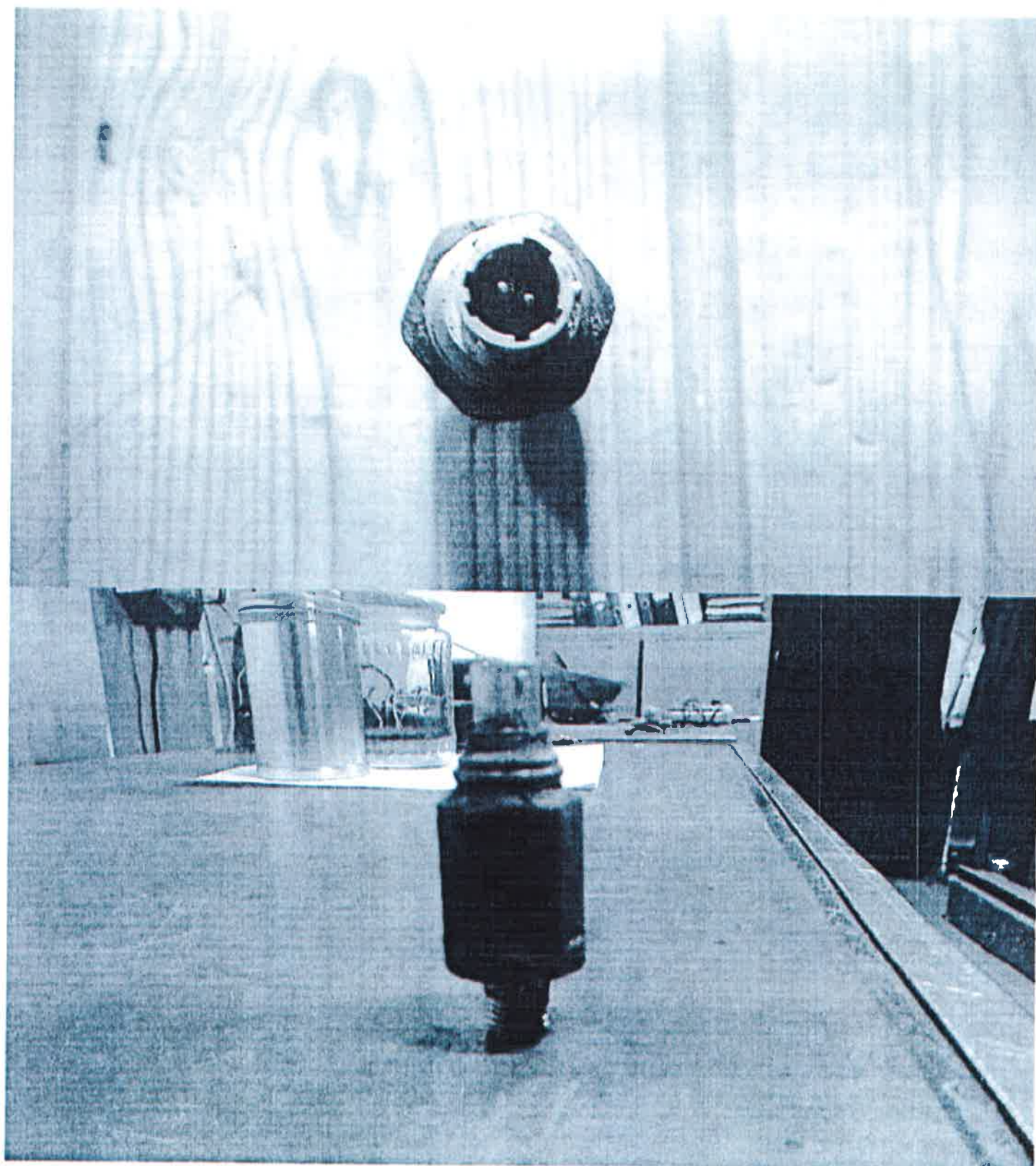
INTOCMIT
SC ENSI CONTROL

LUAT LA CUNOSTINTA
SC PETROTEL LUKOIL

Iovu Andrei

L.C. Puiu
12-12-2016

3. ver. echip. tim
4. bucati
senzor + 4 buc.
cabluri



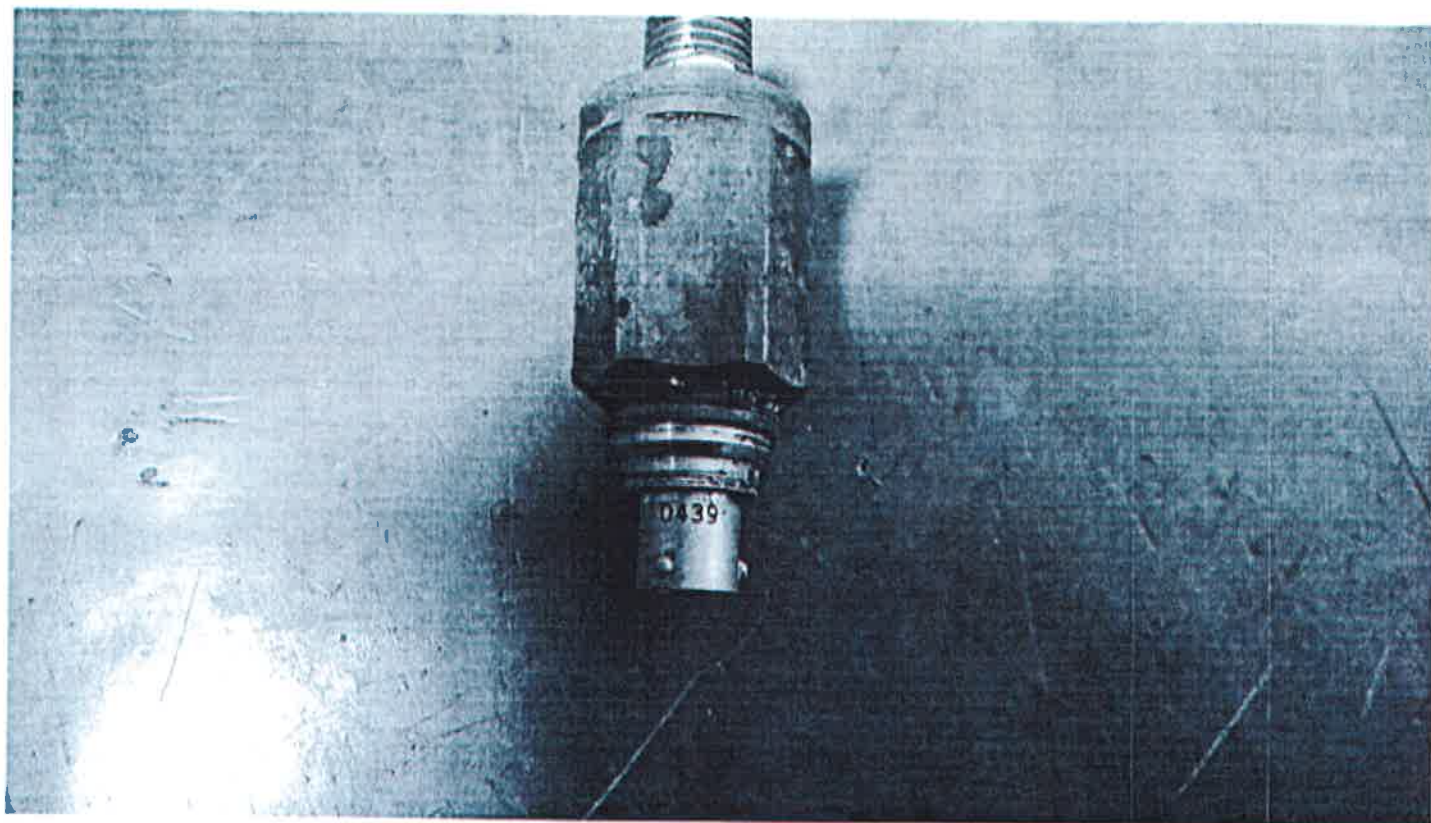
Registrul Comerului nr. J40/14887/2005
Cod Unic de Inregistrare 17909936
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NC-53 /12.12.2016

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PILLER

Industrieventilatoren GmbH

GEBRAUCHSANWEISUNGS-
HANDBUCH
INSTRUCTIONAL MANUAL

VA 4 03 02033 Pos.20

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8 Accessories

The following accessory parts are also supplied

310-e1
e2
e3.

8.1 Axial compensator

The purpose of the compensators is to provide the fan with vibration insulation with respect to the system.

Axial movements ± 15 mm. Spring rate at 20°C 540 N/mm

The tool-fitting dimensions of the compensators (see GA-Drawing) must be observed.

8.2 Vibration monitoring

Supplier: BENTLY NEVADA

Type: System 3500

Velomitor type 330525-02 Incl. Connection cable for velomitor 106765-22

We recommend the following as limit value settings:

Alarm	at max. 4.5 mm/s
Switch-off	at max. 7.2 mm/s

The delivered measuring electronic and the indication device have to be mounted and adjusted according to the installation instructions.

Since external electrical fields can influence the measuring electronics by building up the magnetic field, it must be ensured that the electronics and the outputs are shielded so that these influences have no effect on the measurement result.

Specificatie Productiebouw d. Utilej.

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310- c 1,2,3 Clonination Blower,...

310-466-A
TAG # 310-466-B

Specifications and Ordering Information 330525 Velomitor® XA Piezo-velocity Sensor



Description

The Velomitor® XA (eXtended Application) is a ruggedized version of Bently Nevada's 330500 Velomitor sensor. With its stainless steel case and unique, weatherproof connector and cable assembly, it can be mounted without a housing. The Velomitor® XA and cable assembly are suitable for use in moist environments, and are designed to meet the requirements of IP-65 and NEMA 4X when properly installed.

⚠ Caution

If housing measurements are being made for overall protection of the machine, thought should be given to the usefulness of the measurement for each application. Most common machine malfunctions (imbalance, misalignment, etc.) originate at the rotor and cause an increase (or at least a change) in rotor vibration. In order for any housing measurement alone to be effective for overall machine protection, a significant amount of rotor vibration must be faithfully transmitted to the bearing housing or machine casing, or more specifically, to the mounting location of the transducer.

In addition, care should be exercised in the physical installation of the transducer. Improper installation can result in a change of the transducer amplitude and frequency response and/or the generation of signals which do not represent actual machine vibration.

Upon request, Bently Nevada can provide engineering services to determine the appropriateness of housing measurements for the machine in question and/or to provide installation assistance.

Specifications

Parameters are specified at +25°C (+77°F) unless otherwise indicated.

Electrical

Sensitivity:	4mV/mm/s (100 mV/in/s) $\pm 5\%$ at 100 Hz.
Frequency Response:	4.5 to 2,000 Hz (270 to 120,000 cpm) ± 3.0 dB, 6.0 to 1,000 Hz (360 to 60,000 cpm) ± 0.9 dB; referenced to the Sensitivity at 100 Hz.
Velocity Range:	1.25 m/s (50 in/s) peak



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Transverse Sensitivity:	Less than 5% of Sensitivity
Amplitude Linearity:	±2% to 152 mm/s (6 in/s) peak
Mounted Resonant Frequency:	12,000 Hz minimum
Broadband Noise Floor:	7.28 micrometres/s (300 microinches/s) rms
Maximum cable length:	305 metres (1,000 feet) of cable, BNC part number 02173006 with no degradation of signal.

Hazardous Area Approvals

CSA/NRTL /C: Exia for Class 1; Division 1; Groups A, B, C, and D; Class 2; Division 1; Groups E, F, and G; when installed with an intrinsically safe zener barrier per drawing 103778. Class 1, Division 2, Non-Incendive, when installed without barriers per drawing 103779.

SIRA CENELEC

EEExb for Zones 1 and 2; Group IIB, SIRA certificate number SIRA 99 ATEX2018 when installed with an intrinsically safe zener barrier, T4@Ta=-35°C to +100°C
EEExnA for Zone 2, SIRA certificate number SIRA Ex 99Y4020X

EEExb for Zones 1 and 2; Group IIC, SIRA certificate number SIRA 99 ATEX2019 factory installed in a housing under part number 107770 when installed with an intrinsically safe zener barrier, T4@Ta=-35°C to +100°C

Environmental Limits

Operating Temperature Range:	-55°C to +121°C (-67°F to +250°F)
Shock Survivability:	24,517 m/s ² (2,500 g's) peak, maximum.
Relative Humidity:	To 100% non-submerged; case is hermetically-sealed.

UT&R-ENR

[Signature]

BNC Part Number 141633-01
Revision A, February 2002

Physical

Weight:	150 g (5.3 oz), typical
Diameter:	28 mm (1.1 in)
Height:	73.1 mm (2.88 in)
Case Material:	316L stainless steel
Connector:	2-pin Mil-C-26482 hermetically-sealed, 304 stainless steel shell.
Mounting Torque:	45.3 N•m (400 in-lb) maximum
Polarity:	Pin A goes positive with respect to pin B when the sensor case motion is toward the connector.
Cable Bend Radius:	1.5-in minimum bend radius.

Note: Please read and understand the User Manual before attempting to install and use this product.

Ordering Information

330525-AXX

Option Descriptions

A: Approvals	00 None Required
	01 CSA/NRTL/C
	02 SIRA/CENELEC

Interconnect Cable 106765-AXX

Option Description

A: Length in metres	Minimum length: 1.0 metre (3.3 feet)
	Maximum length: 25 metres (82 feet)
	In increments of 3 metres.

Accessories

02173007	Bulk cable; 2 conductor twisted, shielded, 0.382 mm ² (22 AWG) cable without connectors or terminal lugs. Specify length in metres.
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103537-01

Terminal Mounting Block. Provides simple field wiring connection and can be mounted inside any standard Proximitor® Sensor housing. One terminal mounting block is needed for each Velomitor® XA Sensor connection.

boot is made from fluorosilicone elastomer. Boot color is blue.

03839142

Bottom clamp used to secure the boot to the Velomitor® XA Sensor case.

106769-XX

Terminal Housing for terminating Velomitor® XA Sensor cable to bulk cable listed above. The Terminal Housing provides local connection of the Velomitor® XA Sensor signal wires to the monitor field wiring. Each Terminal Housing can accommodate up to 2 Velomitor® XA Sensor Cables

03839143

Top clamp used to secure the boot to the interconnect cable assembly.

03839144

Splash-resistant boot cover for interconnect cable assembly. The

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Dimensional Drawings

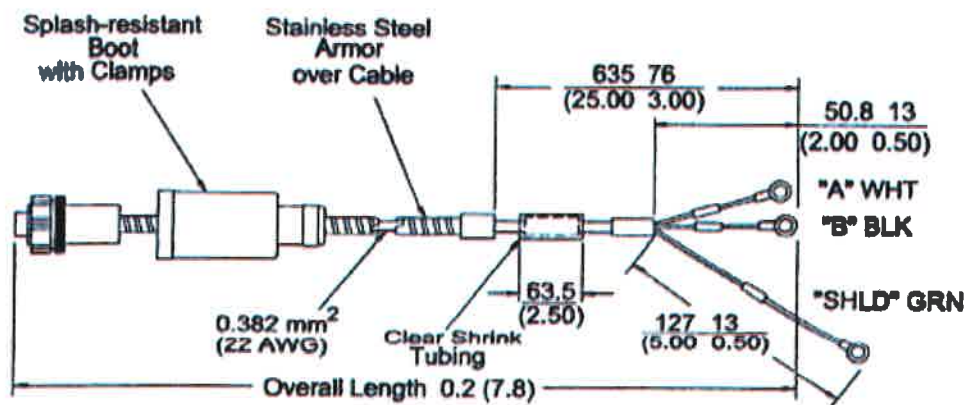


Figure 1: Dimensions for 106765 Cable

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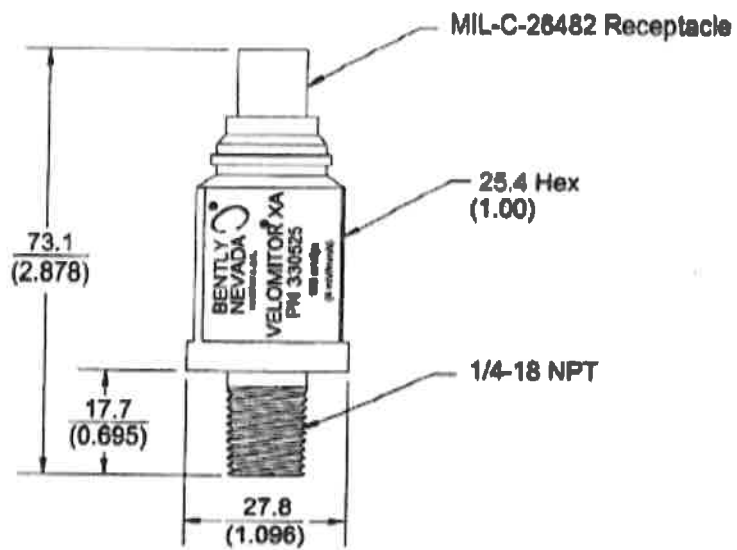


Figure 2: Dimensions for 330525 Velomitor® XA Piezo-Sensor
Dimensions are in millimetres (inches)

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