

VIGILEX®

SAFETY PROTECTION

By **STIF**

HAZARD MONITORING SYSTEM & SAFETY EQUIPMENT



STIF

components for your success

English

SUMMARY

Hazard Monitoring devices

M-JET LINK	Connection Box	4
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Safety Equipment - SensorJET

GIRO L	Motion controller steel support	5
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Selection guide:

Connection box

CONNEXION BOX

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- 7 M-JET LINK**
Connection box



Security devices

MISALIGNMENT

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- 1 Vigibelt Touch**
Belt alignment detector
by contact



or

- 2 Vigibelt CDM 80**
Belt alignment detector
without contact



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LEVEL & CHOKE

p.10

- 3 Vigimat DNC 30**
Level & choke sensor



UNDER SPEED

p.6

- 4 Vigiro IP26**
Rotation under speed
switch

- 5 Vigiro SV26**
Rotation under speed
switch

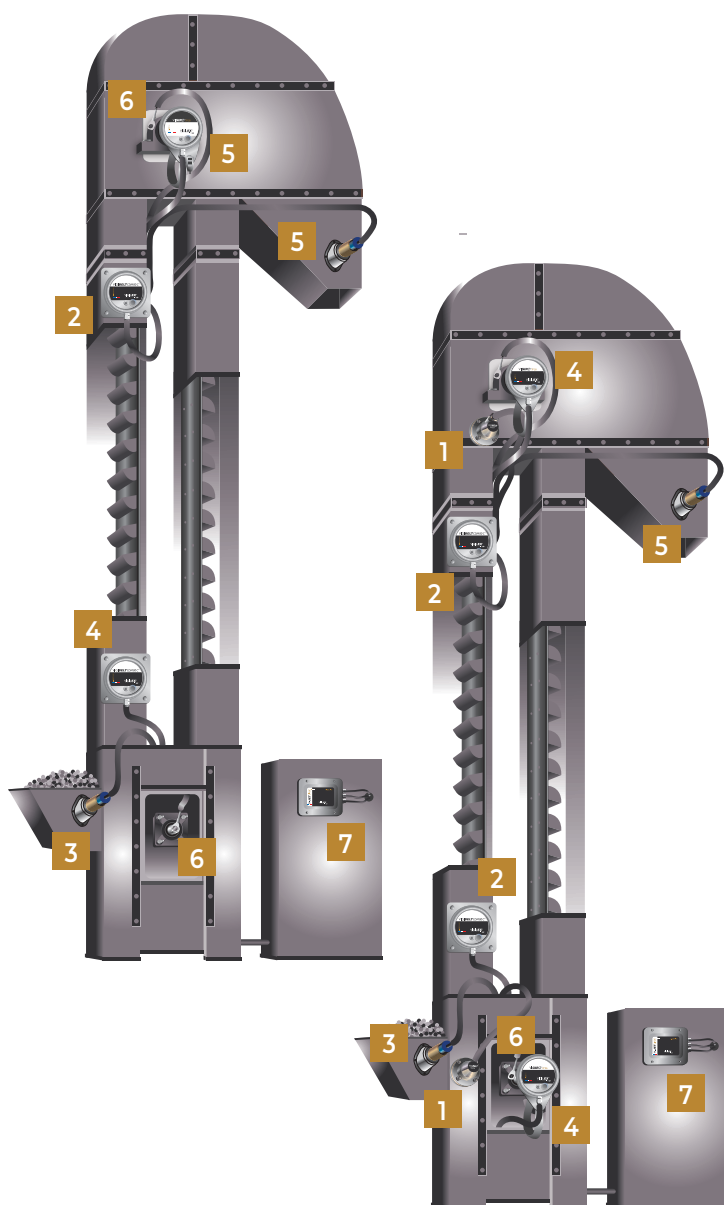
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TEMPERATURE

p.11

- 6 Vigitherm GST 100**
Bearing temperature sensor





M-JETLINK®

Connexion box: ATEX 

APPLICATIONS

Le **M-JET LINK** est un boîtier de raccordement électrique équipé de deux barrettes à bornes capables de connecter jusqu'à 22 pôles. Le boîtier est entièrement réalisé en acier inoxydable (304L) afin de résister aux chocs et aux environnements industriels exigeants.

Le boîtier **M-JET LINK** peut être installé en extérieur grâce à un indice d'étanchéité élevé **IP65**.

DETECTION

■ **M-JET LINK:**

- Dimensions (mm) : 200x178 Ht.76
- Matière : Inox 304L (1.4307)
- Température de service : -20...+60°C
- Protection : IP65
- Raccordement :
- 7 presses étoupes ISO – M12 ATEX pour câble Ø3 - 6.5mm
- 1 bouchon ISO – M32 ATEX

Normes: EN/IEC 60079-0 / EN 60079-31

Marquage: II 3 D Ex tc IIIC T80°C Dc

■ **Barrettes à bornes:**

- Tension de référence (III / 3) : 800V
- Courant : 24A
- 2x Borniers – 22 pôles de connexion (cage clamp)
- Pour conducteur rigide ou souple: 0,08 ... 2,5 mm² / 28 ... 12 AWG

Normes: EN 60998 / UL 1059 / CCA / CSA C22.2

INSTALLATION

- Fixation en bout d'arbre : M8 ou M12
- Montage détecteur : Ø18 ou Ø30



OPTIONS pour M-JET LINK

- Connection box to add for conveyor length between 20 meters and 80 meters



Motion controller steel support without inductive switch sensor:

ATEX  (II2D) IP65

APPLICATIONS

Le **GIRO L** est un appareil simple et modulaire qui présente l'avantage de pouvoir intégrer au choix un détecteur inductif Ø18 ou Ø30. Il est équipé dans sa version standard d'une hélice métallique à deux pales pour satisfaire à la plupart des applications industrielles. Une version optionnelle avec une hélice à quatre pales est disponible pour répondre aux applications des arbres tournant à très faible vitesse.

DETECTION

- Dimensions (mm) : 151x65 Ht.77
- Température de service zone ATEX : -20...+60°C
- Température de service hors zone ATEX : -25...+80°C*

*Dépend de la température du détecteur

Normes : EN 1127-1 / EN IEC 60079-0
Apte pour zone ATEX 21

INSTALLATION

- Fixation en bout d'arbre : M8 ou M12
- Montage détecteur : Ø18 ou Ø30



STANDARDS

EN 1127-1 / EN IEC 60079-0
Apte pour zone ATEX 21

UNDER SPEED SENSOR

GIRO L		 Atex 21
	Shaft in M8	55 CRLS 908910
	Shaft in M12	55 CRLS 912910

*Different cable length available according to the models

GIRO L OPTIONS

- Shaft-end mounting: M10
- Propellers: : 4 pâles
- EASYFIX (M8 or M12)

VIGIRO® IP26®

Rotation speed sensor: ATEX  (II3D) IP65 T 80°C

DETECTION

INTEGRATED INDUCTIVE DETECTOR

- Vmax: 3000 rpm
- Operating temperature -20 +60°C ATEX
Operating temperature -20 +70°C NON ATEX

QUICK FITTING TO SHAFT

- M12 mounting bolt
- Anti-rotation flexible strap



STANDARDS

Eligible for the standard 2014/34/UE

EN/IEC 60079-0

EN/IEC 60079-31

EN 60947-5-2 + A1

IP6X-IEC 60529

The VIGIRO IP 26 devices can be connected directly to a central control area, PLC or automate.

OPTIONS

- Shaft-end mounting: M10
- Propellers: : 4 blades

VIGIRO IP26	Hood	Voltage	No Atex 	 Atex 22
	Metal	12 - 24 V DC 20 - 264 V AC/DC		55 CRMI 81250 TE 55 CRMI 91253 TE

Cable: 2 m

Other lengths on request



EAZYFIX

M12 (55 CRAI 44012) Magnet adapter (to avoid tapping)

VIGIRO SV 26®

Rotation under speed switch: ⚡ ATEX (II3D) IP65 T 80°C

DETECTION

INTEGRATED INDUCTIVE DETECTOR

- 6 to 6000 pulses/min
- Vmax: 3000 rpm
- Preset under speed setting -33/-20/-11/-6%
- Operating temperature -20 +60°C ATEX
Operating temperature -20 +70°C NON ATEX

QUICK FITTING TO SHAFT

- M12 mounting bolt
- Anti-rotation flexible strap



STANDARDS

Eligible for the standard 2014/34/UE
EN/IEC 60079-0 EN/IEC 60079-31
IP6X-IEC 60529

Autonomous operation, external monitor not required; intuitive and easy set up.

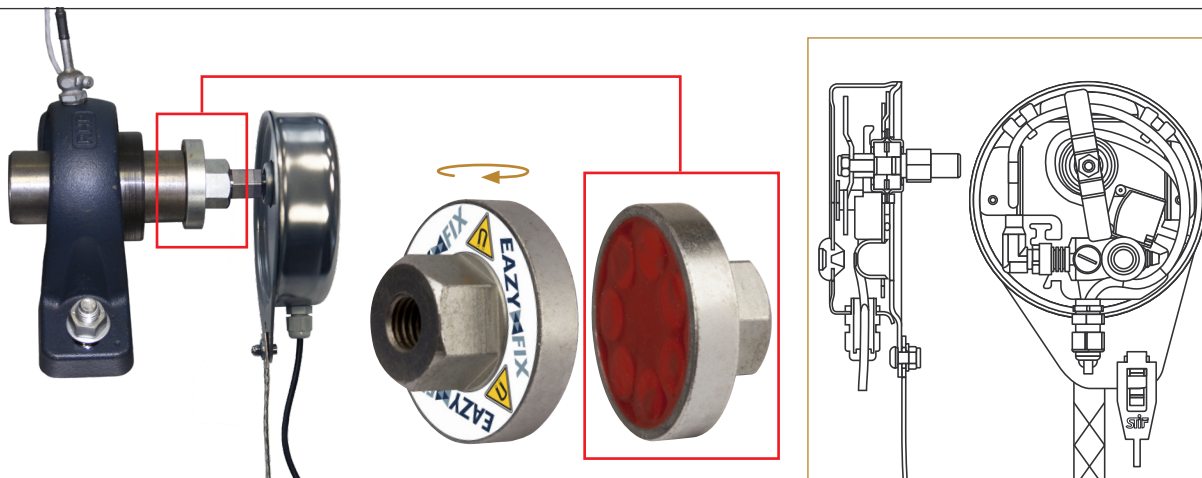
OPTIONS

- Shaft-end mounting: M10
- Propellers: 4 blades

VIGIRO SV26	Voltage	No Atex ⚡	⚡ Atex 22
	12 - 24 V DC		55 CRMI 81203 TE
	20 - 264 V AC/DC	55 CRMV 91205 TE	

Cable: 2m

Other lengths on request



EASY-FIX

M12 (55 CRAI 44012) Magnet adapter (to avoid tapping)

VIGIBELT TOUCH®

Belt alignment detector: ATEX  (II 3 D) IP67

DETECTION

- Integrated inductive detector
- Activated by physical belt contact with the sensor
- Operating temperature -20 +60°C ATEX
Operating temperature -20 +80°C NON ATEX

INSTALLATION

- Installed outside the elevator leg
per PAIR (Supplied with gasket and bolts)
- Casing opening of ø55 mm on the rising leg
- Bolt center to center: 51x51 mm
- Bolt ø: M6
- Output: NC



STANDARDS

Eligible for the standard 2014/34/UE
EN/IEC 60079-0
EN/IEC 60079-31
IP6X-IEC 60529

The VIGIBELT TOUCH devices can be connected directly to a central control area, PLC or automate.

VIGIBELT TOUCH	Voltage	No ATEX 	 Atex 22
	12 - 24 V DC		55 KVT 86012 TE
	20 - 264 V AC/DC	55 KVT 95042 ME	

Cable: 2 m

VIGIBELTCDM80 C®

Belt alignment detector: ATEX (II 3 D) IP67 T80°C

DETECTION

- Detection distance of: 15 / 20 / 25 / 30 / 36 mm
- On request, detection distance can be preset at factory
- Operating temperature -20 +60°C ATEX
Operating temperature -20 +70°C NON ATEX

INSTALLATION

- INSTALLED outside the elevator leg
per PAIR (Supplied with gasket and bolts)
- Square opening of 110 mm
on the rising leg

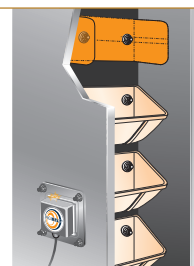


Configuration:

Programmable detection range
from 15 to 35



Learn button access screw



Activated without belt contact,
by inductive detector and metal
bucket or target

EAZY▶DETECT

Steel target installed in place of a plastic
elevator bucket

STANDARDS

Eligible for the standard 2014/34/UE
EN/IEC 60079-0 / EN/IEC 60079-31
IP6X-IEC 60529

The VIGIBELT CDS 80 C devices can be connected directly to
a central control area, PLC or automate.

VIGIBELT CDM80C	Voltage	No Atex 	 Atex 22
	10 - 36 V DC		55 KDM 88012 TE
	20 - 264 V AC/DC	55 KDM 98032 TE	

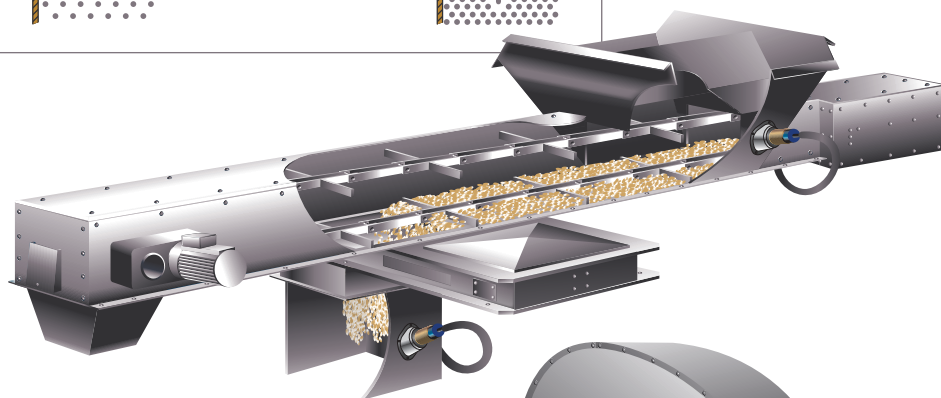
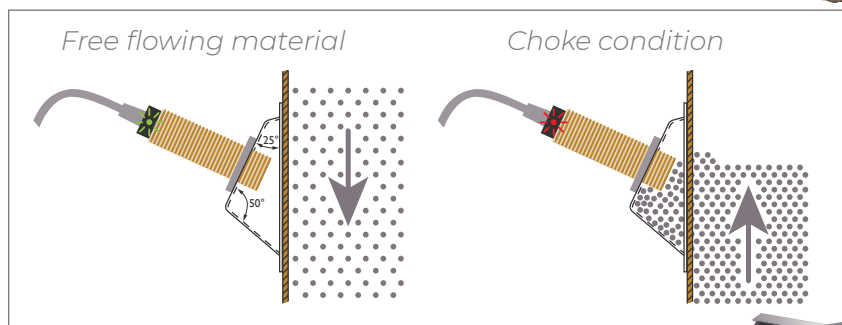
Cable: 2m

VIGIMAT DNC 30[®]

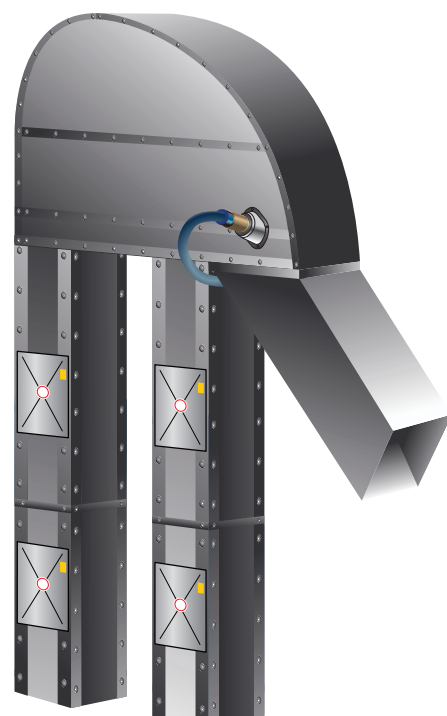
Level & choke detector:

APPLICATION

- Level indicator
- Jam capacitive detector



Mounting support: INOX 304 L



The VIGIMAT DNC 30 devices can be connected directly to a central control area, PLC or automate.

DNC 30	Voltage	Non Atex Ex	Ex Atex 22	Ex Atex 21
	12 - 24 VDC	55 DNC 9301 ATS		
	10 - 30 VDC		55 DNC 8300 CIS	
	10 - 30 VDC			55 DNC 7300 RSS
	24 - 240 VAC	55 DNC 9302 ATS		
	20 - 250 VDC 30 - 250 VAC		55 DNC 8300 DIS	
Câble/Cable Ex 2m - Ex 22: Cable gland - Ex 21: 10 m				

VIGITHERM GST 100[®] LG & GST 100[®] HX

Bearing temperature sensor: ATEX 

GST 100 LG

BEARING TEMPERATURE SENSOR PT 100 CLASS B

- Rated for ATEX Zone 21, Dust
- Requires connection through an intrinsic safety barrier for use in ATEX zones
- PT100 sensors require connection to an appropriate signal conditioning device
- ¼ inch grease fitting adapter
- Teflon coated and braided cable, 10 M
- Operating temperature: +250°C



GST 100 HX

BEARING TEMPERATURE SENSOR PT 100 (CLASS B)

- Rated for ATEX Zone 20, continuous dust
- PT100 sensors require connection to an appropriate signal conditioning device
- Lug style terminal for attaching to 1/8 or ¼ inch grease fitting
- Teflon coated and braided cable, 3 M
- Operating temperature: 100°C ATEX / 180°C no ATEX



STANDARDS GST100[®]LG

Approval type *INERIS 03 ATEX 0096 X*
Assembly certified
ATEX II 2 GD Ex iaD 21 IP6X T6,T5 or T4

STANDARDS GST100[®]HX

Approval type *LCIE 03 ATEX 6088 X*
Assembly certified *ATEX IIID ta IIIC Da*

The VIGITHERM GST 100 LG and VIGITHERM GST 100 HX devices can be connected directly to a central control area, PLC or automate.

	 Atex 21	 Atex 20
GST 100 LG	55 GST 7100 P	
GST 100 HX		55 GST 7100 J
Cable: 10 m		



www.vigilex.eu



To reduce our CO₂ emissions and to meet our global customers' demand, **STIF** manufactures on
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