

vibro-meter

# Parker Meggitt Energy product portfolio update and integration

presented by Michael Hafner

Product Manager

October 2024

# AGENDA

- Parker Meggitt Energy product portfolio update and integration
- Meggitt GmbH product discontinuation
- Overview of discontinued products
- Overview of the IQS910 proximity measurement system transmitter
- Sensors and conditioners excel tool
- Q&A

# Parker Meggitt new Product Manager for Sensor & Conditioners

Sr. Product manager - Ondřej Tošovský (Toschovskee)



44 years old  
Czech Republic  
9 years in Switzerland  
1 daughter

## 20 years in automotive:

- demand planning
- KAM / PJM / PM

TOYOTA, AUDI,  
TE CONNECTIVITY

## Values:

- Family first
- "Glass half full"
- Change is good
- Always have fun

# Parker Meggitt product portfolio

SENSING

PROTECTION

MACHINERY PROTECTION &  
CONDITION MONITORING

ASSET MANAGEMENT



ABSOLUTE VIBRATION



DYNAMIC PRESSURE



AIR GAP



SPEED/RELATIVE  
VIBRATION



**VM600Mk2**  
Rack-based  
monitoring system



**VibroSmart**  
Distributed  
monitoring system



**SpeedSys300**  
Modular  
overspeed  
protection system

**Discontinued**



**VibroSight**  
Data analysis and  
visualisation

# Parker Meggitt Energy Product Portfolio Update & Integration

## Sensors and conditioners

**Ice detector system** – removed from catalogue

- DIC413 signal conditioner 241-413-000-024
- EW140 transducer 447-140-000-011/111/121

Last buy offered and announcement will be sent out in the next weeks



EW140



DIC413

## Dynamic Pressure sensors

CP5xx sensors discontinued. Partnership with Piezocryst ended. Replaced by CP7xx new generation of man-made piezoelectrical dynamic pressure sensors

CP515 qualified with MHI and working on switch to CP751 in progress. Will continue to provide this model until qualification with customer completed.



# Parker Meggitt Energy Product Portfolio Update & Integration

## Sensors and conditioners

### Galvanic separation

GSI127 new version with improved performance PNR change from 017 to 021. Shipment of the remaining stock (mostly A02, ex version) and automatic confirmation to new version once all stock consumed. Already delivering new versions depending on the ordered configuration.

### Improvements:

- Suitable for use in safety-related applications: SIL 2 “by design” in accordance with the IEC 61508 functional safety standard.
- Increased dynamic operating and output signal ranges in order to be able to support the output levels from our SIL 2 sensors / measurement chains with diagnostics, without saturating.
- A new sensitivity variant, defined by the ordering option code B11, that is compatible with our new IQS910 signal conditioner (“transmitter”) for proximity measurement chains, and with industry-standard 4 to 20 mA loop-powered sensors/transmitters such as the CE687 and PV685 vibration sensors.
- Better overall noise performance: lower noise on output, and increased power supply noise rejection (PSRR) and frame-voltage rejection (CMRR).
- Extended operating temperature range of –20 to 70°C (–4 to 158°F).  
(For reference, it is 0 to 70°C (32 to 158°F) for the current version.)



# Parker Meggitt Energy Product Portfolio Update & Integration

## Sensors and conditioners

### Proximity measurement chains

TGS108 transducer gap simulator for proximity system discontinued

TQ402-113 to be discontinued

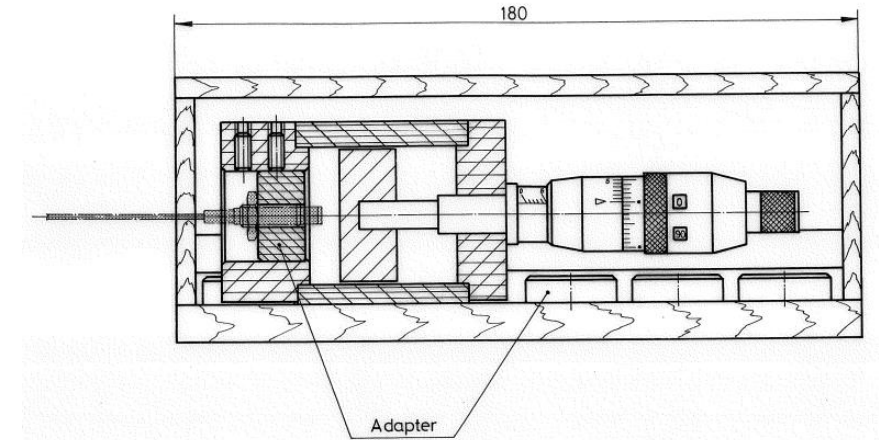
TQ442 keep in the portfolio for the time being

### Hydro applications

IVC632 and cable ED112 923-112-000-003 removed from price list and no more available (for CV210 discontinued and replaced by VE210)

Keep the mounting adaptor TA114 800-114-000-011

Air-gap system, new GSU139 and GSU140 gap simulator unit for LS120 or LS121 available



# Parker Meggitt Energy Product Portfolio Update & Integration

## Sensors and conditioners

### Piezoelectric transducers

CA175 discontinued, only few spares sold in the last years. Last buy to be offered. Used with LM5000 bearing #9.

CP113 in discussion for discontinuation. Only spares very low volume.

Stay tuned !

CA303 sensor family consolidation and simplification.

### Accessories

ABA17x enclosure new version NEMA 4X with A2. Same size, the material used for enclosure is Stainless Steel instead of painted Steel. Effective 1<sup>st</sup> January 2025.

Price increase for A2 option from 167 (IPL 2023) to 500 CHF



#### ABA17x

##### Industrial housings

Robust stainless steel housing

Lockable hinged door with sealing gasket

Device-mounting plate with DIN rails

Cable-entry with openings and plugs

Protection ratings: IP66 and NEMA 4X in addition to 4, 12 and 13

Available in standard and Ex versions

ABA171 for up to 2 signal conditioners, ABA172 for up to 4 and ABA173 for up to 8

Wide range of cable fittings (stuffing glands)



# Parker Meggitt Energy Product Portfolio Update & Integration





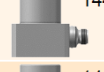




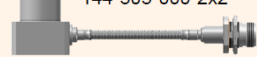
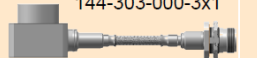
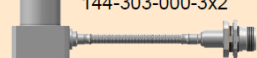
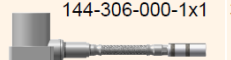
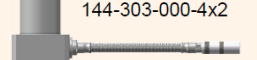
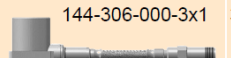
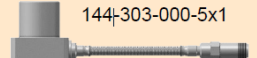
## Sensors and conditioners

### CA303/306 family consolidation

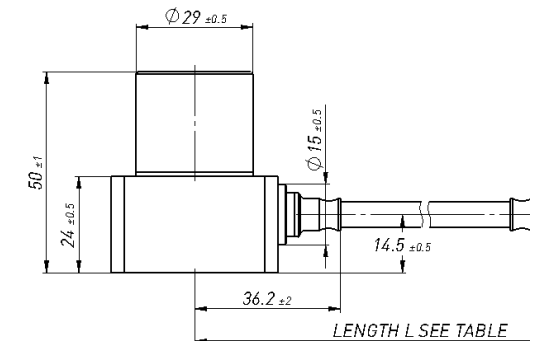
New versions as CA303, discontinue CA306. Same performances, slightly higher height for new version.

-> remove the version with little to no sales in the last 7 years: CA303-211 40-inch length 2 pole MI-cable with double braid and connector type M83723 will be discontinued

#### CA30X FAMILY

Current CA303	Current CA306*	Cable L	Connector	New CA303	Cable L	Connector
 144-303-000-011	 144-306-000-021	None	MIL-DTL-5015 (10SL-4P)	 144-303-000-011 (Unchanged)	None	MIL-DTL-5015 (10SL-4P)
	 144-306-000-011	None	CG505	 144-303-000-021	None	CG505
 144-303-000-111	 144-306-000-201	2000 mm	MIL-DTL-5015 (10SL-4P)	 144-303-000-112	2000 mm	MIL-DTL-5015 (10SL-4P)
 144-303-000-2x1		1000 to 15000 mm	M83723 (Key 6)	 144-303-000-2x2	1000 to 15000 mm	M83723 (Key 6)
 144-303-000-3x1		1000 to 7000 mm	M83723 (Key N)	 144-303-000-3x2	1000 to 7000 mm	M83723 (Key N)
	 144-306-000-1x1	3000 to 12000 mm	VM-LEMO Type 0	 144-303-000-4x2	3000 to 12000 mm	VM-LEMO Type 0
	 144-306-000-3x1	3000 to 12000 mm	CG505	 144-303-000-5x1	3000 to 12000 mm	CG505

\*CA306 are currently inactivated and will be replaced by new CA303



# Parker Meggitt Energy Product Portfolio Update & Integration

## Protection and Condition Monitoring

**Overspeed** SpeedSys300 discontinued

Still available from Istec International, not under Meggitt branding

### **VM600**

AMC10/IOC10 Mk2 card in development for VM600 Mk2

Replacement of AMC8/IOC8T to provide a module with 10 channels of temperature or 4-20mA process signal

Available by end of 2025 latest

➔ Full VM600 Mk1 replacement solution with this card

VM600 Mk1 plan of end of production for cards, still delivering for new projects for very specific customers. Strategy for spare availability and support to be agreed together with phasing out plan. Communication will be made by end of 2025.

# Parker Meggitt Energy Product Portfolio Update & Integration

## Protection and Condition Monitoring

### VM600

MPC4 Mk2 SIL2 new FW included in VS7.6. Warning it is not a certified version and not for use for safety function. Not possible to sign the configuration and put the card in locked mode. See VS release notes. Plan to have updated certification Q1 2025.

**SIL MPC4 Mk2, Machinery SIL Protection 640-024-002T002:**

Beta release for future 640-024-002-000. Re-Certification is pending.

Cannot be used on SIL certified application, therefore, the Safe operational state is not available.

The card is forced in maintenance mode.

New feature:

- MPSG2-2126 MPC4 Mk2 shall support a new single channel processing named "Magnetic flux".
- MPSG2-2601 MPC4G2 - Generate a Warning if Event of debug log rate is too high
- MPSG2-2605 MPC4G2 - To Band measurement, add Peak, Peak to Peak and Average qualifiers

### VibroSight

Plan to phase out "Scope" and "Configurator" modules in the coming years. No more support and will be removed from new VibroSight versions.

# Meggitt GmbH product discontinuation



Enabling Engineering  
Breakthroughs that Lead to a  
Better Tomorrow

Mühlheim / Fribourg, 14 March 2023

To the attention of: Meggitt GmbH / Meggitt SA customers

Subject: Discontinuation of Meggitt GmbH third party products

Dear customer,

We are contacting you further to your past purchase of product from Meggitt GmbH product line. While we trust that these products have served you well, Parker Meggitt is committed to offering our customers the best possible measurement and monitoring solutions. This naturally involves updating and replacing items in our product portfolio, to ensure we deliver the best quality products and the most efficient service to our customer

Accordingly, this letter is to inform you about the discontinuation of the following products that are outside of Parker Meggitt strategical focus. There are no functional form fit equivalent, although there are some vibro-meter® with similar functionalities

Part number / Meggitt GmbH reference	Description	Functional Equivalent product	Similar vibro-meter product by
FAS-110 M5	Vibration optical accelerometer	No	CE620 444-620-000-11x
FT 265	Frequency-Analogue-Converter- Rotation check detection	No	ODS301 600-046-000-00x
SG 102 EEx (3mm)	Cable feedthrough	No	SG 102 / SG 164 800-102-000-00x 00-164-000-01x
SG 102 EEx (6,5mm)	Cable feedthrough	No	SG 102 / SG 164 800-102-000-00x 00-164-000-01x
ABA200 V2A	Industrial housing	Yes	ABA171 830-171-000-01x
ABA300 V2A	Industrial housing	Yes	ABA172 830-172-000-01x
ABA400 V2A	Industrial housing	Yes	ABA173 830-173-000-01x
EI 201-P	Insulating stud	No	MA122 809-122-000-02x
IK201/3 (PNR 112319)	Isokit IK201/3 for Accelerometer CA 20X	No	No
VMI 6051017	Mounting adapter	No*	No

In case of further question, please contact your nearest Parker Meggitt Sales office or distributor

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Meggitt GmbH, Dieselstrasse 2, 63165 Mühlheim am Main, Germany

Tel: +41 26 407 11 11  
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www.meggitt.com



Meggitt GmbH has been closed. The product portfolio from Meggitt GmbH has been integrated to Parker Meggitt with new labels and certificate for Ex environments under Meggitt SA.

Discontinuation of the Meggitt GmbH products that are outside of Parker Meggitt strategical focus.

There are no functional form fit equivalent, although there are some vibro-meter products with similar functionalities

# Overview of Discontinued products with replacement

**Discontinued**



**Replaced**

**Vibrations switches CV5100  
with accelerometer**

**Summary table**

**Equivalent 2 relays versions**

- CV5100-Axx-Bxx-C01-Dxx-Ex → • CV5100-Axx-Bxx-C02-Dxx-Ex

Only A9 version with 1 relay (low cost version)

- CV5100-A09-B01-C01-D01-E1
- CV5100-A09-B01-C01-D01-E2

Old PNR	New PNR	Functional equivalent	Form fit equivalent
<b>Vibration Switches CV5100</b>			
CV5100-A1-B01-C01-Dxx	CV5100-A1-B01-C02-Dxx	Yes	Yes
CV5100-A01-B02-C01-Dxx	CV5100-A01-B02-C02-Dxx	Yes	Yes
CV5100-A02-B01-C01-Dxx	CV5100-A02-B01-C02-Dxx	Yes	Yes
CV5100-A02-B02-C01-Dxx	CV5100-A02-B02-C02-Dxx	Yes	Yes
<b>Vibration Monitor VMS830</b>			
VMS830 Ax-Bx-Cx-Dx-Ex-Fx-Gx-Hx- Ix-Yx	VMS830-2-B4-C023- D03-E1000-G04-Y2	Yes * 24 VDC or 220 VAC, no more BNC*	Yes

**Vibration monitor  
VMS 830 - 1**



**VMS830-2**

Can monitor 2 channels  
Has steel housing with a LCD display, a  
220 VAC or 24 VDC power supply



# Overview of Discontinued products with replacement

## Discontinued

## Replaced

## Summary table

### Velocity sensor CV211:

The high temperature and low frequency versions are discontinued.

Functional equivalent:

- CV213  
(for ATEX and high temperature)
- VE210 (for low frequency)  
Cable lengths of 5m or 10 m are available.

### EC cable

Functional, form, fit,  
equivalent EC318 and EC319.

### Connectors

MS3106, MS3108,

No replacement  
Note: The correct extension cable must be  
purchased.

Velocity sensor CV211			
Old PNR	New PNR	Functional equivalent	Form fit equivalent
CV211-AHT-Bx-Cx-Exxx-Fx-Gx	110-213-000-01x	Yes	No
CV211-ALF-Bx-Cx-Exxx-Fx-Gx	410-210-000-01x	Yes	No
EC Cable assembly and connectors			
EC-Cx-Exxx-Fx-Gxxx	922-318-000-00x 922-318-000-40x 922-319-000-00x 922-319-000-10x	Yes	Yes
MS3106	922-318-000-00x	Yes	No
MS3108	922-318-000-00x	Yes	No





# Overview of Meggitt GmbH Transmitter products

Enabling Engineering  
Breakthroughs that Lead to a  
Better Tomorrow

## Transmitters 4-20 mA summary

Discontinue under Meggitt branding and available from Sens-Tec GmbH or Meggitt France:

- Pulse detection and speed measurement transmitter
  - TIW101 and TIW201
  - TIW202
- Displacement measurement transmitter
  - TWW101 and TWW201
- Vibration measurement transmitter
  - TSW101 M1
  - TSW201

Keep as Meggitt SA product:

- Displacement measurement transmitter
  - TWW103 M1 (OEM version)
  - TWW251 (rod drop)
- Velocity measurement transmitter
  - TSG201
  - TSG202
- Velocity/Displacement measurement transmitter
  - TSG201-2R
- Transmitter for phase position and differential speed
  - TSM201 (OEM version)



# Overview of Discontinued products with replacement

## Discontinued

## Replaced



### Transmitters 4-20 mA

TSA202,  
TSG101 M1,  
TSG102 M1



Functional equivalents - TSG201,  
TSG202 or VibroSmart VSV301 /  
VSB300 modules

TSG201-2



Form fit equivalent TSG201-2R  
transmitter

TSW211 SMAX



Functional equivalent VibroSmart  
VSV301/VSB300 module with 2x  
TQ902/IQS900

TSW / TWW  
and TIW version -  
001 with SMC  
connectors



The standard version with triaxial  
connector

TWW101 M1 and  
TWW212



Functional equivalent TWW201,  
IQS910 or VibroSmart  
VSV301/VSB300 modules

Summary table

Transmitters TAS, TSG, TSW, TWW and TIW			
Old PNR	New PNR	Functional equivalent	Form fit equivalent
Transmitters TAS, TSG, TSW, TWW and TIW			
TSA202	VSMARTSYS-001	Yes	No
TSG101 M1	TSG201	Yes	No
TSG102 M1	TSG202	Yes	No
TSG201-1	TSG201	Yes	Yes
TSG201-2	TSG201-2R	Yes	Yes
TSW101-001 M1	TSW101 M1	Yes	Yes (except connector)
TSW201-001	TSW201	Yes	Yes (except connector)
TSW211 Smax	VSMARTSYS-001	Yes	No
TWW101 M1	TWW201	Yes	No
TWW101-001 M1	TWW201	Yes	No
TWW201-001	TWW201	Yes	Yes (except connector)
TSW212	VSMARTSYS-001 or 204-910-000-01x	Yes	No

# Overview of Discontinued products with replacement

## Discontinued

## Replaced

## Summary table

### Proximity sensors WW:

- WW007 and WW009 with BMC or triaxial connectors.





- Functional equivalent TQ902 with an IQS900 signal conditioner

- WW030 → Functional equivalent - TQ403 with an IQS900 signal conditioner

Proximity sensors WW			
Old PNR	New PNR	Functional equivalent	Form fit equivalent
WW007-001	111-902-000-011	Yes	No
WW009-001	111-902-000-011	Yes	No
WWV-001	913-902-000-011	Yes	No
WW030	111-403-000-01x	Yes	No

GENERAL-PURPOSE  
PROXIMITY PROBES

Sensor	Cable
<b>WW018</b> <ul style="list-style-type: none"><li>• 0 to 10 mm</li><li>• -20 to 145 °C</li></ul>	 <b>WWxxxxx</b> <ul style="list-style-type: none"><li>• length 4 or 9 m</li></ul>
<b>WW030</b> <ul style="list-style-type: none"><li>• 2 to 14 mm</li><li>• -20 to 145 °C</li></ul>	
<b>RE022-002 / RE030-002</b> <ul style="list-style-type: none"><li>• 22/30 mm</li><li>• -20 to 200 °C</li></ul>	

Transmitters		
 <b>TIW series</b> Transmitter <ul style="list-style-type: none"><li>Provides a TTL output of the detected pulses: 15 kHz max</li><li>Provides a 4 to 20 mA signal for the selected speed range</li><li>Two ranges available: 20000 rpm max.</li><li>Raw signal for sensor adjustment</li></ul>	 <b>TWW series</b> Transmitter <ul style="list-style-type: none"><li>Provides a 4 to 20 mA signal proportional to shaft position</li><li>Ranges depend on specified sensor</li><li>Frequency DC to 2 Hz</li></ul>	 <b>RE series</b> Transmitter <ul style="list-style-type: none"><li>Provides dual 4 to 20 mA signals or a 4 to 20 mA signal and a 4 mV/μm signal, depending on version</li><li>Additional 0.5 to 4.5 V<sub>DC</sub> output corresponding to transfer function</li><li>Ranges depend on specified sensor: 22 or 30 mm</li><li>Frequency DC to 2 Hz</li></ul>

Transmitter	
 <b>TWW103</b>	
 <b>TWWxxx</b>	
 <b>RE101-002</b> for shaft relative expansion	

- Measurement range
- Operating temperature

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that Lead to a  
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# Meggitt GmbH products kept in our portfolio

## TWW103 M1

Transmitter 1 channel position transmitter  
4 to 20 mA, max. load 500 Ohm, 0 to +85 °C

Power supply 24VDC (18 – 30 V), max. 80 mA

PVC DIN-Rail housing, IP40, 114,5 x 99 x 22,5 mm

Spring terminals

## WW018

Proximity transducer OEM version, 10 mm range, diameter tip 22mm, Ex certified, sensor head IP67 with 5 m or 10 m integral cable with protection



OEM version

## WW017-RE103

WW017 Proximity transducer and RE103 Transmitter Kit

OEM version

Probe WW017-A1-B1-C200-E050-F1-G048-H05  
-20 to +145°C, 6 mm range, tip 22mm, 5m integral cable with protection, IP67



Transmitter RE103

0 to +85 °C, 1 channel, 2x 4 to 20 mA and 1x 0.5... +4.5 VDC output

Power supply +24VDC

Alu housing, IP67, 120 x 122 x 81 mm

Original OEM part.



# Overview of Discontinued products with replacement

## Discontinued

## Replaced

## Summary table

### Displacement systems

- The old series U15, U22, U40(obsolete) with the DT-350-I-M1 transmitter → • Functional equivalent – RE-002 proximity transducer (RE022 and RE030 sensors) with the RE101 transmitter.
- RE102 transmitter → • Form fit equivalent RE101-002 transmitter
- The high temperature AE119-050-R-HT inductive expansion probe and CFA110 conditioner are discontinued. → • Only the standard inductive expansion probe AE119-050-SK remains available
- The 100 mm range inductive expansion probe AE119-100-SK-S is discontinued. → • Replaced by the Meggitt SA product, 800-219-000-11X

Displacement systems			
Old PNR	New PNR	Functional equivalent	Form fit equivalent
U15 and DT350-I	RE-002 and RE101-002	Yes	No
U22 and DT350-I	RE-002 and RE101-002	Yes	No
U40 and DT350-I	RE-002 and RE101-002	Yes (until 30 mm)	No
WW030	111-403-000-01x	Yes	No
RE102	RE101-002	Yes	No
AE119-100-SK-S	800-219-000-11X	Yes	Yes
AE119-050-R-HT and CFA110	800-219-000-11X	No (up to 70° only)	Yes



# Overview of Discontinued products with replacement

**Expansion Probe AE119** was available in 2 versions, Parker Meggitt and Meggitt GmbH. AE119 replaced by AE219 using LVDT instead of inductive (eddy-current principle) measurement. Last parts shipped before end of year and then switch to new version.

## Discontinued



AE119

**Parker Meggitt**

- 800-119-000-025

**Meggitt GmbH**

- AE119-A050-B1
- AE119-050-R-HT
- VMD-AE119-050-SK-S
- VMD-AE119-050-R-HT
- VMD-AE119-100-R-HT
- VMD-AE119-100-SK-S

## Replaced

AE219

- 800-219-000-011 (50 mm)
- 800-219-000-111 (100 mm)

**EC cable**

EC-AE119-HT-Cx-Exxx-Gxxx



Functional, form, fit,  
equivalent EC318 and EC319.

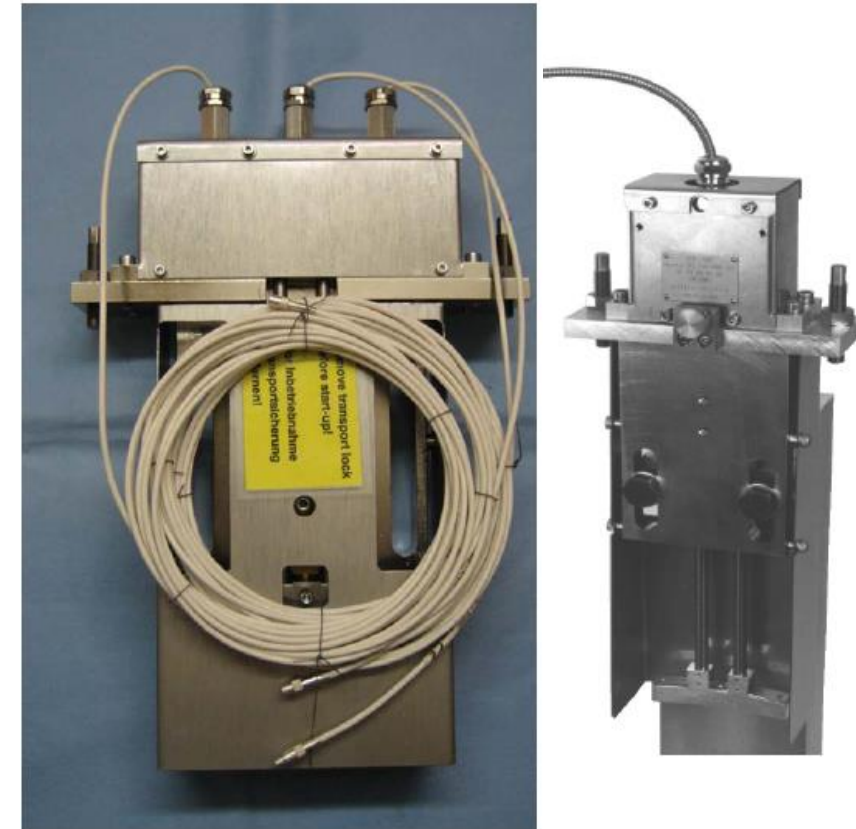
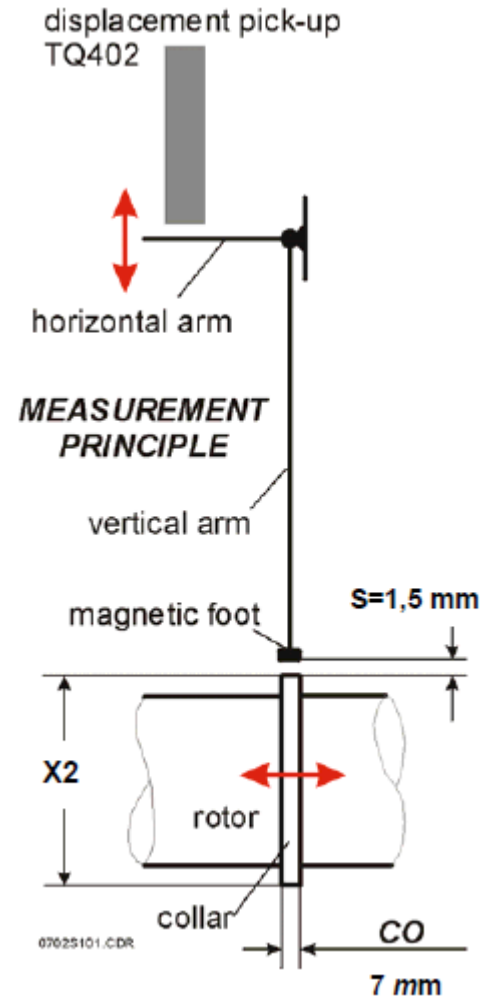
# Pendulum Probe integrated into Meggitt SA portfolio

## DP243 Vibro-meter pendulum probe

Measurement of axial shaft dynamic displacement using a eddy-current proximity probe (TQ402/902).

It allows measurements with huge measuring ranges in unfavorable environmental conditions and at measuring collars where it is not possible to realize direct measurements with eddy- current sensors, due to the mechanical conditions.

- 100 mm range possible
- Temperature up to +200°C
- Version with 1 channel
- Version with 3 channels (redundant measurement)



# IQS910 PROXIMITY MEASUREMENT SYSTEM

Designed for operation with vibro-meter TQ proximity sensors, that is, non-contact proximity sensors / measurement chains based on the eddy-current principle.

Replacement for WW007 or WW009 + TSW or TWW from Meggitt GmbH.

**Note:** The IQS910 is compatible with different TQ9xx (and TQ4xx sensors) and is intended as a complement to the IQS900, for applications where a simple position or vibration “transmitter” is required.

## Features

- Signal conditioning for TQ proximity sensors.
- Position (gap) or vibration (shaft relative) measurement for machinery protection and/or basic condition monitoring.
- Wide frequency range (DC to 15000 Hz), with configurable measurement type (position or vibration), sensitivity and measurement range.
- Position measurement or vibration measurement with “peak-meter” vibration processing.
- Industry-standard 4 to 20 mA current-loop output for easy interfacing with machinery monitoring and/or process control systems.
- Certified for use in potentially explosive atmospheres (hazardous areas).
- Suitable for use in functional safety contexts: SIL 2 in accordance with IEC 61508 and Cat 1 PL c in accordance with ISO 13849.
- “Raw” output and “Test” input signals for in-situ test support.



# SENSORS AND CONDITIONERS EXCEL TOOL

- Created to simplify your product decision-making process
- Includes relevant information and filtering options to help you select the right product for specific applications.
- You can download the Excel-based tool from the Energy website's login area - [Tools and utilities](#)

Parker MEGGITT		Go to the viewer					
Cat1		Sensitivity	Temp min [°C]	Temp max [°C]	Freq. min [Hz]	Freq. max [Hz]	Connection
Dynamic Pressure Sensors		1.33mV/μm	-253	40	0	2	5 pin - Flying leads
Other Sensors and Conditioners		10μA/g	-200	60	0.2	5	5/8"-24UNEF-2A
Sensor Accessories		100mm	-196	70	0.5	20	5-pin
Vibration Sensors & Conditioners		100mV/g	-90	75	1	66	5-pin - Flying leads
Cat2		100pC/g	-70	80	1.9	320	7/16"-27UN-2B - Flying leads
Accelerometers with integrated electronics (CE)		10g	-65	85	2	350	7/16"-27UNS-2A
Accelerometers without integrated electronics (CA)		10mm	-55	90	3	400	7/16"-27UNS-2B
Air-gap conditioners (ILS)		10pC/g	-54	100	5	1000	7/16"-27UNS-2B - Flying leads
Air-gap sensors (LS)		190pC/bar	-50	105	10	1200	7/16"-27UNS-2B + flying leads
Cable assemblies (EC/ED/EE/EH)		200mV/mm	-40	120	20	2800	7/16"-27UNS-2B + LEMO type 0

Type	PNR	Name	Description	Related products	Ex
ABA160	830-160-000-11x	ABA160 Industrial Housing	Housing for up to 1 conditioners IPC	IPCxxx, IQSxxx, MA130, ABAxxx	Ex II 2 G / 2 D Ex e II T6 (increased safety) Ex ia IIC T6 (intrinsic safety) Ex e(ia) IIC T6 (mixed equipment)
ABA171	830-171-000-01x	ABA171 Industrial Housing	Industrial housing made from painted steel, door with locking system, rear plate with DIN-rails for up to 2 conditioners (IQS, IPC, IVC) or terminal blocks, sealed cable entry plate with removable plugs for optional stuffing glands, wall mount brackets	IPCxxx, IQSxxx, ILSoxx, MA130, ABAxxx	Ex e / t G / D Zone 1 / 21 (Russia, Belarus, Kyrgyzstan, Armenia, Kazakhstan) / Validity : 15.02.2026
ABA172	830-172-000-01x	ABA172 Industrial Housing	Industrial housing made from painted steel, door with locking system, rear plate with DIN-rails for up to 4 conditioners (IQS, IPC, IVC) or terminal blocks, sealed cable entry plate with removable plugs for optional stuffing glands, wall mount brackets	IPCxxx, IQSxxx, ILSoxx, MA130, ABAxxx	Ex e / t G / D Zone 1 / 21 (Russia, Belarus, Kyrgyzstan, Armenia, Kazakhstan) / Validity : 15.02.2026
ABA173	830-173-000-01x	ABA173 Industrial Housing	Industrial housing made from painted steel, door with locking system, rear plate with DIN-rails for up to 8 conditioners (IQS, IPC, IVC) or terminal blocks, sealed cable entry plate with removable plugs for optional stuffing glands, wall mount brackets	IPCxxx, IQSxxx, ILSoxx, MA130, ABAxxx	Ex e / t G / D Zone 1 / 21 (Russia, Belarus, Kyrgyzstan, Armenia, Kazakhstan) / Validity : 15.02.2026
AE119	800-119-000-02x	AE119 Housing expansion probe (50 mm range)	Absolute expansion transducer with integral electronics, standard 4-20 mA output, measuring range 0-50 mm	AE119, EH140	No
AE119	800-119-000-12x	AE119 Housing expansion probe (100 mm range)	Absolute expansion transducer with integral electronics, standard 4-20 mA output, measuring range 0-100 mm	AE119, EH140	No
AE119	AE119-A050-B1	AE119 Inductive expansion probe	A050: Range = 50 mm B1: Version = Standard (0 to +70°C)	AE119, EC-AE119	No
CA134-20x	144-134-000-20x	CA134-20x Piezoelectric Accelerometer	-253°C (20K) to +500°C, 10 pC/g, 7/16"-27 UNS-2A connector, Ex approved	CA134, IPC707, GSI127, TA104, TA105, EC069, EC112, EC390, CG595, ABAxxx	Ex ia G Zone 0 (Brazil) / Validity : 19.01.2024 Ex ia G Zone 0 (China) / Validity : 07.04.2027



## Vibration Sensors & Conditioners



Cable assemblies (EC/ED/EE/EH)

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200mV/mm



-40

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7/16"-27UNS-2B + LEMO type 0

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THANK YOU