





Description : SENSOR(FOR VIBRATION TRANSMITTER TYPE:TR-NC/8)
LTOTAL=500MM

Material Code	418014520004X	PU	33
Type	Main	Suggest	
	980M08125	-	
Manufacturer	CEMB	-	
Drawing No.	-	QCTM No.	RDSR418014520004
Note1			
Note1			

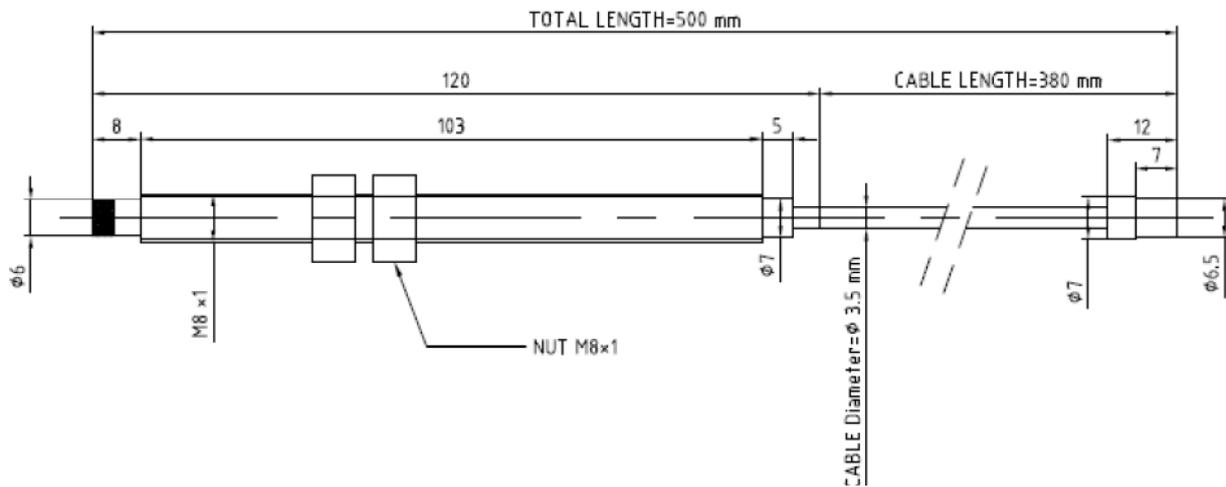
Rev:	Date :	Prepared by:	Checked :	Approved :	REE:	Page
0	94/03/30	Akbari	Mokaberi	Akbari	Haghighi	3

PROXIMITY SENSOR VIBRATION

*GENERAL	1	Service	Proximity Sensor Vibration		
	2	Linearity	± 1% over the entire measurement range and within the operating temperature limits indicated		
	3	Temp.	-35 to +175°C		
*RANGE	4	Measurement Type	Differential		
	5	Dynamic range	0 to 10,000 Hz		
	6	Measuring Range	± 1 mm (0.5 to 2.5 mm)		
*ELECTRICAL	7	Power Supply	-24 VDC nominal (-20 to -30 VDC range)		
	8	Cable	length	380mm	
			Dia.	3.5mm	
			Design	Without armoured	
	11	Electrical Connection	3-way screw terminal strip Miniature coaxial connector for sensor		
*MECHANICAL	12	Sensor thread	M8×1		
	13	Body Length	116mm		
	14	Total Sensor length	0.5m (sensor + cable)		
	15	Material	Body	Stainless Steel	
			Coaxial Cable	Teflon	

Notes:

Mechanical Drawing Dimensions mm:





IMPEXRON England (United Kingdom) - search results related to 'cemb' product:

You can click the links below to reach the **cemb** product you are looking for. Besides this product, we can also find any Brand and Model Product for You from our Offices around the World with the best price and delivery time to your office front door in **England (United Kingdom)**

Show entries

Search the table results:

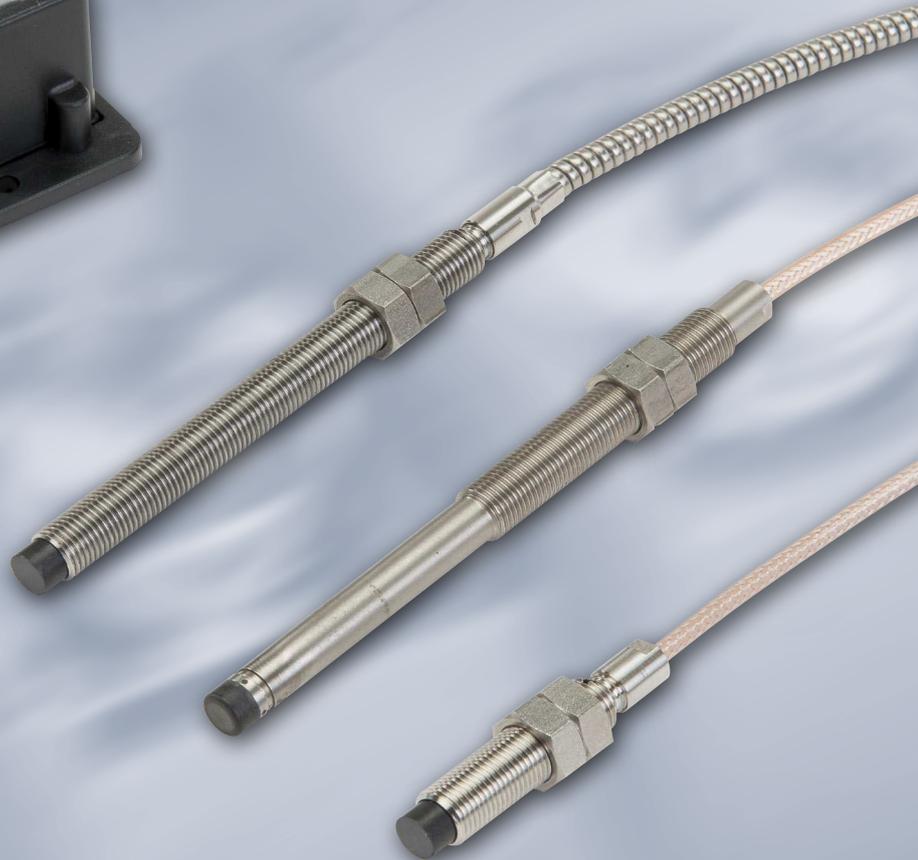
Brand	Product Reference	Description
Cemb	T1-40/00/00/1A	Velocity Transducer Certified ATEX II 1 GD Eex ia IIC T6 ZONE 0 Temperature operating range: -40 - +60°C Max. surface temperature: +85°C Housing: Stainless Steel Connector: Plastic
Cemb	T1-40/00/00/1	seri no 78020085
Cemb	T1 40/00/00/0	
Cemb	SENSORS T-NC / 8-API	SENSOR FOR TRANSMITTERS TR-NC/8 code 980M08125
Cemb	R904369001	CARD TYPE MANUFACTURER - 67D83151R - ZV2 32I / O
Cemb	R903296003	PREAMPLIFIER CARD 42752 - ZB / 560/100 V15 / V100 (B10) 67M427522
Cemb	R903296002	PIEZOELECTRIC SENSOR 87SN43816 - P 38
Cemb	N600	mobile measuring device



Previous | 1 | 2 | 3 | 4 | 5 | ... | 16

DISPLACEMENT TRANSDUCERS

T-NC/8-API



CEMB

BALANCING MACHINES

T-NC/8-API

FUNCTION

The T-NC/8-API transducer measures the distance of a ferrous material from the sensor head. The non-contact type measurement can be both dynamic for vibration measurement and static for displacements.

GENERAL DESCRIPTION

The transducer is normally composed of an ST-NC/8 proximity sensor, a CPT-NC/8 extension cable and a T-NC-8/API converter.

The operating principle is based on the generation of a high-frequency electromagnetic field irradiated by the sensor which induces an eddy current in the target. The intensity of this eddy current depends directly on the distance between the sensor and the target and is converted into an electric signal processed by the converter.

The sensor is composed of a stainless steel body and a Teflon coaxial cable. The die-cast aluminium converter is inserted in a container in insulating material and contains the electronics to power the sensor and signal linearization. It is supplied calibrated for a standard target in AISI 4140 (calibration with other targets are available on request).

The transducer is also available in the certified version for applications in an area classified according to ATEX Directive 94/9/EC.

 II 1 G Ex ia IIC T6 / T5 Ga

TECHNICAL CHARACTERISTICS

Composition	<ul style="list-style-type: none">• ST-NC/8 sensor in AISI 304 stainless steel• CPT-NC/8 extension cable• T-NC/8-API converter
Power supplies	<ul style="list-style-type: none">• -24 VDC nominal (-20 to -30 VDC range)
Connections	<ul style="list-style-type: none">• 3-way screw terminal strip• Miniature coaxial connector for sensor
Ambient operating range	<ul style="list-style-type: none">• Sensor: -35°C to +175°C• Extension cable: -35°C to +175°C• Converter: -35°C to +75°C
Measurement type	<ul style="list-style-type: none">• Differential
Measurement range	<ul style="list-style-type: none">• ± 1 mm (0.5 - 2.5 mm)
Dynamic range	<ul style="list-style-type: none">• Frequency: 0 to 10,000 Hz
Output signal	<ul style="list-style-type: none">• Analogue
Linearity	<ul style="list-style-type: none">• $\pm 1\%$ over the entire measurement range and within the operating temperature limits indicated
Nominal sensitivity	<ul style="list-style-type: none">• 200 mV/mil (7.87 mV/μm)
Output impedance	<ul style="list-style-type: none">• 500 Ohm
Sensitivity to temperature	<ul style="list-style-type: none">• According to ANSI/API 670
Possible provisions at the time of ordering	<p>SENSOR</p> <ul style="list-style-type: none">• Thread type• Body length• Total sensor length (body + cable)• Unthreaded part length• Cable armature <p>EXTENSION CABLE</p> <ul style="list-style-type: none">• Cable length• Cable armature <p>CONVERTER</p> <ul style="list-style-type: none">• Total connection length• Nominal sensitivity• Target type• Certification type



ORDER INFORMATION

Sensor

ST - NC / 8 / / / / /

A: THREAD TYPE

0	M10x1
1	3/8"-24UNF
S	special

B: BODY LENGTH

pitch 10 mm – Minimum 40 mm (04) – Maximum 250 mm (25)

05	50 mm (standard)
----	------------------

C: TOTAL SENSOR LENGTH (BODY + CABLE)

Pitch 500 mm – Minimum 500 mm (005) – Maximum 9000 mm (090)

010	1000 mm (standard)
-----	--------------------

D: UNTHREADED PART LENGTH (only for M10x1)

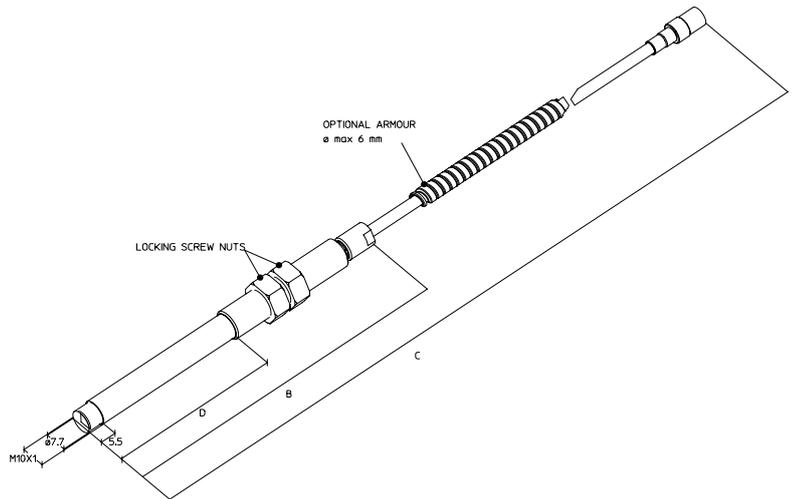
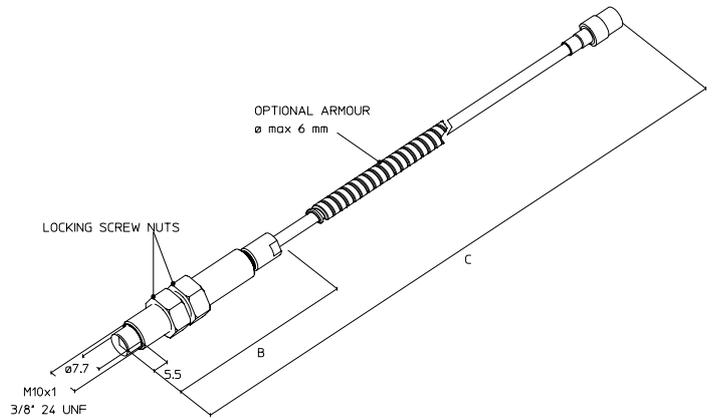
pitch 10 mm – Minimum 0 mm (00) – Maximum 120 mm (12)

00	0 mm (standard)
----	-----------------

E: CABLE ARMATURE

0	not armoured
1	armoured

DIMENSIONS



Extension cable

CPT - NC / 8 / /

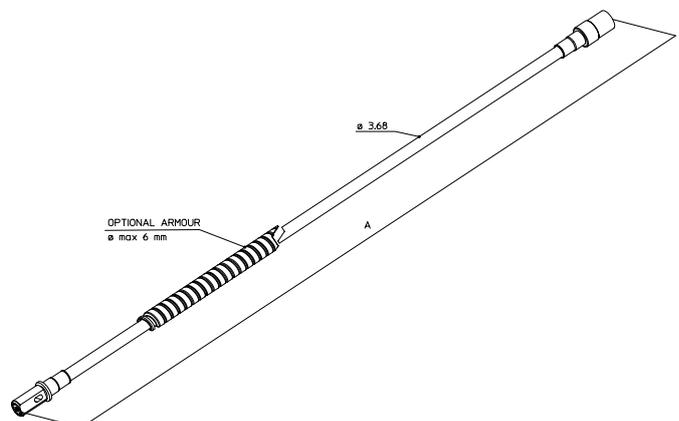
A: CABLE LENGTH

pitch 500 mm – Minimum 1500 mm (015) – Maximum 8500 mm (085)

040	4000 mm (standard)
-----	--------------------

B: CABLE ARMATURE

0	not armoured
1	armoured



Converter

T - NC / 8-API / / / /

A: TOTAL CONNECTION LENGTH

1	1 mt
3	3 mt
5	5 mt
7	7 mt
9	9 mt
S	special

B: NOMINAL SENSITIVITY

1	standard 7,87	mV/μm
S	special	

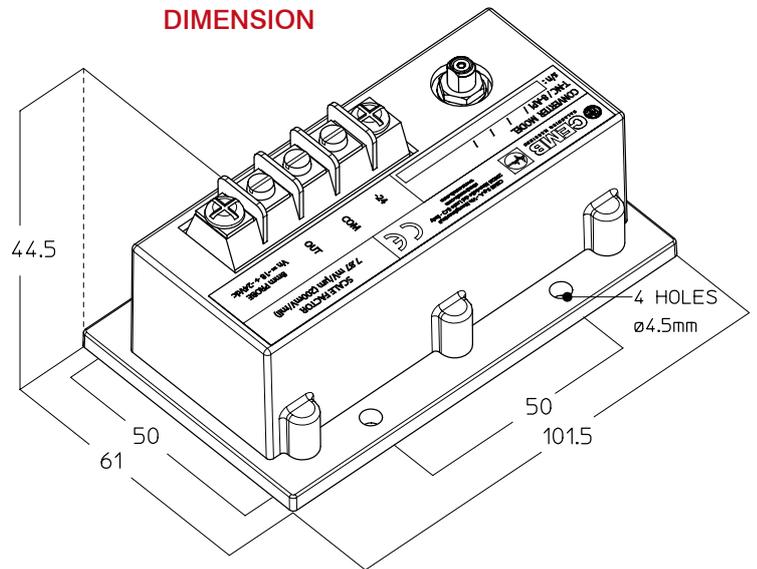
C: TARGET TYPE

1	AISI 4140
2	AISI 410
S	special

D: CERTIFICATION TYPE

1	standard
2	Atex II 1G Ex ia IIC T6 / T5 Ga

DIMENSION



ORDER EXAMPLE:

ST-NC/8/0/05/010/00/0

0 = M10x1 thread
 05 = body length 50 mm
 010 = sensor length (body + cable) 1000 mm
 00 = unthreaded part length 0 mm
 0 = cable not armoured

CPT-NC/8/040/0

040 = cable length 4000 mm
 0 = cable not armoured

T-NC/8-API/5/1/1/2

5 = total connection length 5 m
 1 = standard sensitivity 7.87 mV/μm
 1 = AISI 4140 target
 2 = Atex II 1G Ex ia IIC T6/T5 Ga certification



CEMB