

No _____



Main technical
data

Supply scope

Initial and periodic
verification

Manufacturer
warranty



www.emis-kip.ru

EMIS CJSC
Russia, Chelyabinsk

**Legal
information**

Manufacturer has the right to update the product and documents without prior notice. Please contact your local sales or the head office for more detailed information about EMIS products.

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Attention!

Please carefully read this document before operation. Please make sure that you have carefully read and learned the present manual before installation, operation or maintenance of the flow meter. The above is strictly required to provide safety operation and equipment efficiency.

For any assistance, please, contact your local EMIS sales representative or technical support service:

tel./fax: +7 (351) 729-99-12

e-mail: support@emis-kip.ru

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1 MAIN CHARACTERISTICS

1.1 Application

EMIS-BAR pressure transmitter (hereinafter referred to as the transmitter) is intended for the continuous conversion of the absolute, gauge, vacuum pressure, as well as pressure difference of liquid and gaseous medium, into a unified current signal with a superimposed HART digital signal. It can be applied in any industries.

1.2 Symbols

EMIS-BAR

Technical requirements TU 26. 51. 5152-080-2018

1.3 Serial number

1.4 Manufacture date

1.5 Manufacturer

EMIS CJSC

Lenina Avenue 3, office 308 Chelyabinsk, 454091, Russia

Tel/fax (351) 729-99-12

www.emis-kip.ru

2 TECHNICAL DATA

Name	Description
Dust and water protection	IP65, IP66, IP67, IP68
Input voltage	24V DC
Power consumption	1 watt (0.7 watt for Ex ia)

Full technical data are presented in the EB100.000.00 OM

ATTENTION!

Medium pressure should not exceed permissible pressure limits of the flowmeter and installation kit.

ATTENTION!

It is prohibited to use non-explosion proof transmitters in Explosive environment. Use Ex-proof type transmitters In Explosive environment. Details of using Ex-proof type transmitters are given in Operational Manual.

ATTENTION!

Wetted parts material depends on the specific technological process. Customer is responsible for wetted parts material choice.

3 PRESERVATION AND DEGREASING FOR OXYGEN APPLICATION

4.1 Degreasing data

EMIS-BAR pressure transmitter

Serial number

Cleaned and degreased according to OST 26-04-312 requirements. Grease is not detected.

Signature

name

date

Stamp here

4.2 Preservation data

Date	Description	Duration, years	Position, name and signature

4 INSPECTION AND VERIFICATION

4.1 Inspection

EMIS-BAR pressure transmitter complies with technical requirements of TU 26.51.52-080-14145564-2018 and approved for operation.

Serial number

QC inspector's
signature

Signature

name

date

Stamp here

4.2 Initial verification

The flowmeter is approved for operation according to verification results.

Verification interval - 5 years.

Name	Description
Measurement range	
Adjusted range	
Pressure limit	
Permissible basic reduced error	

Verification officer's
signature

Signature

name

date

Stamp here

4.3 Periodic verification**Date of verification**

Name	Description
Measurement range	
Adjusted range	
Pressure limit	
Permissible basic reduced error	

Next verification date

The flowmeter is approved for operation according to verification results.

Verification officer's signature**officer's**_____
Signature_____
name_____
date**Stamp here****Date of verification**

Name	Description
Measurement range	
Adjusted range	
Pressure limit	
Permissible basic reduced error	

Next verification date

The flowmeter is approved for operation according to verification results.

Verification officer's signature**officer's**_____
Signature_____
name_____
date**Stamp here**

Date of verification

Name	Description
Measurement range	
Adjusted range	
Pressure limit	
Permissible basic reduced error	

Next verification date

The flowmeter is approved for operation according to verification results.

Verification signature**officer's**_____
Signature_____
name_____
date**Stamp here****Date of verification**

Name	Description
Measurement range	
Adjusted range	
Pressure limit	
Permissible basic reduced error	

Next verification date

The flowmeter is approved for operation according to verification results.

Verification signature**officer's**_____
Signature_____
name_____
date**Stamp here**

SUPPLY SCOPE AND PACKAGE

5.1 Supply scope

Supply scope of the transmitter:

No	Name	Description	Quantity
1	Pressure transmitter	EMIS-BAR*	1 pcs.
2	Data Sheet	EB 100.000.00 DS	1 pcs.
3	Operation Manual	EM 100.000.00 OP	1 pcs.
4	Verification Procedure	EB 100.000.00 VP	1 pcs. for the batch
5	Sticker "Protection against unauthorized access"	-	6 pcs.
<p>_____</p> <p>The model and type of transmitter depending on the order, questionnaire.</p>			

Additional equipment is specified in package list.

5.2 Package

Pressure transmitter EMIS-BAR is packed according to technical documents and Customer's requirements.

6 INSTALLATION AND REPLACEMENT OF ELECTRONIC BOARDS

6.1 Replacement info

During operation the following part were replaced:

Full name	Version	Serial number

_____ company

_____ Full name

_____ title

_____ date

_____ Signature

Name	Version	Serial number

_____ company

_____ Full name

_____ title

_____ date

_____ Signature

7 SERVICE LIFE. MANUFACTURER WARRANTY

7.1 Service life

The service life of the pressure transmitter EMIS-BAR under the operating conditions described in the Operating Manual is 30 years. Rated service life - 15 years.

7.2 Manufacturer warranty

Warranty period::

- Standard warranty - 18 months after commissioning, but not more than 24 months from the date of shipment.
- Extended warranty - Warranty period is _____ months after commissioning, but not more than _____ months from the date of shipment.

7.3 Commissioning marks

company	
_____	_____
Full name	title
_____	_____
date	Signature

ATTENTION!

Manufacturer has the right to reject warranty repair if:

- manufacturer seal is broken or mechanical damages of equipment are detected;
- data sheet is not presented;
- the failure occurred as the result of operation procedure violation by the customer;
- Transmitter was dismantled in violation of operation manual or any other constructive changes were detected;
- commissioning mark provided by the service company is absent.

ATTENTION!

The manufacturer does not specify the service life of pressure transmitter EMIS-BAR used for corrosive medium measurement.

ATTENTION!

EMIS-MASS 260 shall be repair at local service centres of EMIS CJSC or by customer if such was agreed with the manufacturer.

Use only EMIS spare parts and accessories for repair. The manufacturer is not responsible for any repair fulfilled using other manufacturer's spare parts and accessories.

8 CLAIM SAMPLE

Customer <i>(company name)</i>		LLC "Company name"
Contact person		John Green
Telephone		(495)12293333
Product name		EMIS-BAR 103H-1CS1-D2DA/G70/F20/U22
Serial number		1234
Date of manufacture		May 14, 2018
Commissioning date:		May 25, 2018
Date of failure		July 18, 2018
Fault description		
Possible cause		
Medium parameters	medium	water
	temperature, °C	92 °C
	Rated pressure, kPa	230
Secondary equipment , if any	name	TECON 19-05
	connection type	Current signal 4-20 mA
Fault detection and repair according to Troubleshooting table, Operational Manual		<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Customer conclusion		

Customer representative _____

Date

Full name
Signature

Signature of service center or
carry out assembling and
adjustment company _____

Date

Full name

Signature

STICKER "PROTECTION AGAINST UNAUTHORIZED ACCESS"

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EMIS CJSC

Lenina Avenue 3, office 308
Chelyabinsk, 454091, Russia

Sales department

+7 (351) 729-99-12
(multichannel)
+7 (351) 729-99-16
sales@emis-kip.ru

**Technical
Service**

+7 (351) 729-99-12
Ex. 741, 744, 756, 763.
support@emis-kip.ru

Support