2-Wire Velocity Transducer Interface Module

Input Signal Voltage Range:

0 to -Vt

Output Voltage Range:

0 to -Vt

Frequency Response:

-5% at >25 K Hz

Input Impedance:

9.98 ± 0.02 KΩ

Current draw (without transducer):

2.0 mA maximum

Velomitor Piezo-Velocity Transducer

Input Signal Voltage Range:

0 to -Vt

Output Voltage Range:

0 to -Vt

Transducer Nominal Bias Voltage:

-12 Vdc

Transducer Regulated Current:

3.00 to 4.10 mA

Frequency Response:

-5% at >25 K Hz

Current draw (without transducer):

1.5 mA maximum

-18 V Proximitor Interface Module

Input Signal Voltage Range:

0 to -Vt

Output Voltage Range:

0 to -Vt

Transducer Supply Voltage:

-17.75 to -18.24 Vdc

Frequency Response:

-5% at >25 kHz

Current draw (without transducer):

2.0 mA maximum

Hazardous Area Approvals

-00 Approvals
Ordering Option

North America

Ex nA IIC T4

Class I, Zone 2

Class I, Div 2

Groups A, B, C, D

T4 @ -30°C = Ta = +70°C

per dwg 139255

Certification Number

CSA 1166985

European/ATEX

 II 3G EEx nA [L] IIC T4

LCIE 00ATEX6016X

T4 @ -30°C = Ta = +70°C

Brazil

Br-Ex nA [nL] IIC T4

MC, AEX-8304-X

T4 @ -30°C = Ta = +70°C

-05 Approvals
Ordering Option

North America

Ex nA [ia] IIC T4

Class I, Zone 2(0)

Class I, Div 2

Groups A, B, C, D

T4 @ -30°C = Ta = +70°C

per dwg 141265

Certification Number

CSA 1166985

European/ATEX

 II 1/3 G EEx nA[ia] ia IIC T4

LCIE 00ATEX6017X

T4 @ -30°C = Ta = +70°C

Ordering Information

Transducer I/O Module

170180-XX-XX

A: I/O Module Type

- **0 1** Dual Proximitor/ Accelerometer I/O Module
- **0 2** Dual Velocity I/O Module
- **0 3** Dual Velomitor I/O Module
- **0 4** Velomitor A and Velocity B I/O Module
- **0 5** Dual -18V Proximitor I/O Module

B: Hazardous Area Approval

Use the **05** option in the 1701/06 Isolator Terminal Base

- **0 0** Division 2/Zone 2
- **0 5** Division 2/Zone 2 for Monitor Division 1, Zone 0/1 for Transducers