



# XMD

## Differential Pressure Transmitter for Process Industry with HART<sup>®</sup>-communication

accuracy:  
0.1 % FSO IEC 60770  
0.05 % BFSL

Differential Pressure Transmitter

XMD

### Product characteristics

- ▶ pressure ranges from 75 mbar up to 2 bar
- ▶ static over pressure 130 bar
- ▶ turn-down 10:1
- ▶ two chamber aluminium die cast case
- ▶ HART<sup>®</sup>-communication
- ▶ output signal: linear or square root extraction
- ▶ IS-version  
Ex ia = intrinsically safe version

### Optional versions

- ▶ IS-version  
Ex d = flameproof enclosure
- ▶ with integrated display and operating module
- ▶ prepared for chemical seals assembly



The differential pressure transmitter XMD has been especially designed for the process industry and can be used for level measurement of closed, pressurized tanks, pump or filter controlling, etc.

Another attribute is the possibility to switch the output signal from linear to square root extraction by what the flow rate of the medium can be issued.

### Preferred areas of use are



Petrochemical Industry



Chemical Industry



Energy Industry



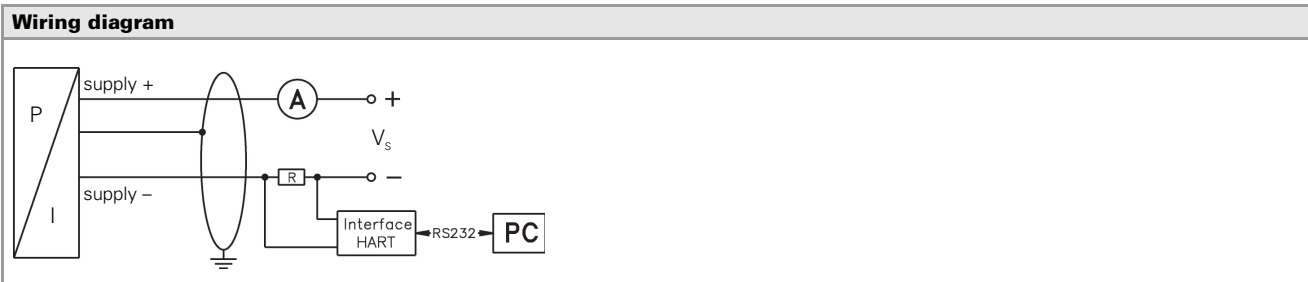
Food Industry



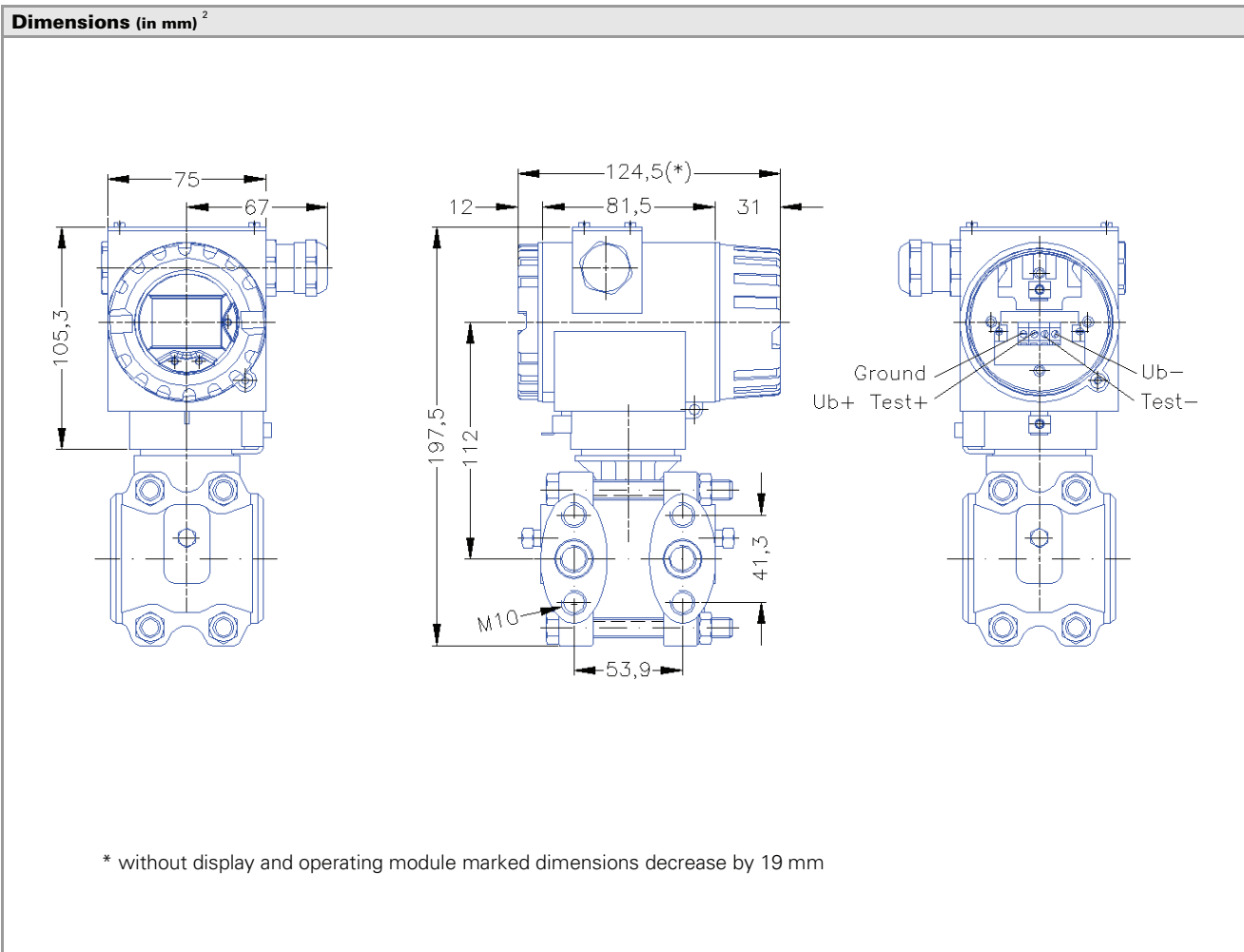
Paper Industry



| Connections           |  |
|-----------------------|--|
| Electrical connection | terminal clamps in clamping chamber with cable gland M20x1.5 (for cable-Ø 5 up to 14 mm) |
| Process connections   | internal thread 1/4" - 18 NPT  |



| Pin configuration     |  |
|-----------------------|--|
| Electrical connection | terminal clamps (clamp section 2.5 mm <sup>2</sup> ) |
| Supply +              | 2  |
| Supply -              | 4  |
| Test                  | 3  |
| Shield                | 1  |



<sup>2</sup> aluminium die cast case is horizontally rotatable as standard  
HART® is a registered trade mark of HART Communication Foundation; Hastelloy® is a brand name of Haynes International Inc.  
Windows® is a registered trade mark of Microsoft Corporation

This data sheet contains product specification; properties are not guaranteed. Subject to change without notice.

### Pressure Transmitter for Process Industry

#### XMP ci



##### Characteristics

- ▶ pressure ranges from 0.06 up to 20 bar
- ▶ turn-down 1:5
- ▶ two chamber aluminium die cast case or stainless field housing
- ▶ internal or flush mounted capacitive ceramic sensor
- ▶ HART<sup>®</sup>-communication (standard)
- ▶ IS-version (standard): EEx ia = intrinsically safe version
- ▶ accuracy:  
0.2 % FSO IEC 60770  
0.1 % FSO BFSL



#### XMP i



##### Characteristics

- ▶ pressure ranges for vacuum, gauge and absolute pressure from 0.40 up to 600 bar
- ▶ turn-down 1:10
- ▶ two chamber aluminium die cast case or stainless field housing
- ▶ internal or flush welded diaphragm
- ▶ HART<sup>®</sup>-communication (standard)
- ▶ IS-version (standard): EEx ia = intrinsically safe version
- ▶ accuracy:  
0.1 % FSO IEC 60770  
0.05 % FSO BFSL



### Precision Pressure Transmitter for Food Industry, Pharmacy and Biotechnology

#### xlact ci



##### Characteristics

- ▶ pressure ranges from 60 mbar up to 20 bar
- ▶ turn-down 1:5
- ▶ hygienic version
- ▶ flush mounted, capacitive ceramic sensor
- ▶ several process connections (inch thread, Clamp, etc.)
- ▶ with integrated display and operating module
- ▶ accuracy:  
0.2 % FSO IEC 60770  
0.1 % FSO BFSL



#### xlact i



##### Characteristics

- ▶ pressure ranges from 400 mbar up to 40 bar
- ▶ turn-down 1:10
- ▶ hygienic version
- ▶ flush welded diaphragm
- ▶ several process connections (G1" cone, Clamp, dairy pipe, etc.)
- ▶ with integrated display and operating module
- ▶ accuracy:  
0.1 % FSO IEC 60770  
0.05 % FSO BFSL

