

**DESCRIPTION**

APZ 3420 is our flagship general purpose industrial pressure transmitter. High quality silicon piezoresistive sensor with a stainless steel diaphragm, versatile design and wide spectrum of variations make APZ 3420 a perfect fit for virtually any industrial application.

**SPECIFICATIONS**

Pressure ranges: 40 mbar to 600 bar

Basic accuracy:  $\pm 0.25\%$

Outputs: 4...20 mA (option – Ex ia); 0...20 mA; 0...10 V; 0...5 V; HART®; RS-485 / Modbus RTU; other

Sensor: silicon piezoresistive

Pressure port: G1/2"; G1/4"; 1/2" NPT; 1/4" NPT; M20x1.5; other

Media temperature:  $-40...+125\text{ }^{\circ}\text{C}$

Ambient temperature:  $-40...+85\text{ }^{\circ}\text{C}$

Optional: field housing with/without graphics display

**APPLICATIONS**

General industrial applications

Process automation

Hydraulics and pneumatics

Test equipment

Liquid level monitoring

## TECHNICAL SPECIFICATIONS

### MEASURING RANGES\*

| Pressure range, bar |          | Overpressure, bar | Burst pressure, bar | Pressure range, bar |          | Overpressure, bar | Burst pressure, bar |
|---------------------|----------|-------------------|---------------------|---------------------|----------|-------------------|---------------------|
| Gauge               | Absolute |                   |                     | Gauge               | Absolute |                   |                     |
| -1...0              | -        | 3.0               | 4.0                 | 0...6.0             | 0...6.0  | 15                | 20                  |
| 0...0.04            | -        | 0.3               | 1.0                 | 0...10              | 0...10   | 30                | 40                  |
| 0...0.06            | -        | 0.3               | 1.0                 | 0...16              | 0...16   | 60                | 80                  |
| 0...0.10            | 0...0.10 | 1.0               | 1.5                 | 0...25              | 0...25   | 60                | 80                  |
| 0...0.16            | 0...0.16 | 1.0               | 1.5                 | 0...40              | 0...40   | 100               | 150                 |
| 0...0.25            | 0...0.25 | 1.0               | 1.5                 | 0...60              | 0...60   | 100               | 150                 |
| 0...0.40            | 0...0.40 | 1.0               | 1.5                 | 0...100             | 0...100  | 150               | 230                 |
| 0...0.60            | 0...0.60 | 3.0               | 4.0                 | 0...160             | 0...160  | 300               | 450                 |
| 0...1.0             | 0...1.0  | 3.0               | 4.0                 | 0...250             | 0...250  | 530               | 780                 |
| 0...1.6             | 0...1.6  | 6.0               | 8.0                 | 0...400             | 0...400  | 1050              | 1580                |
| 0...2.5             | 0...2.5  | 6.0               | 8.0                 | 0...600             | 0...600  | 1050              | 1580                |
| 0...4.0             | 0...4.0  | 15                | 20                  |                     |          |                   |                     |

\* The transmitter can be calibrated on three pressure ranges (user-selectable via ZCON 100 configurator). The lowest range should be at least 1/5 of the highest range.

| PERFORMANCE                            | P > 0.4 bar  | P ≤ 0.4 bar       |
|--|--|-------------------|
| Accuracy, % of span*                   | ≤ ±0.25 (standard) / 0.20 (optional)                       | ≤ ±0.5 (standard) |
| Temperature effect (% of span / 10 °C) | ≤ ±0.1   | ≤ ±0.2            |
| Compensated range                      | -20...+80 °C   | 0...+80 °C        |
| Compensated range (optional)           | -40...+60 °C   | -40...+60 °C      |
| Power supply effect                    | ≤ ±0.05% of span / 10 V                                    |                   |
| Load resistance effect                 | ≤ ±0.05% of span / kOhm (transmitters with current output) |                   |
| Long-term stability                    | ≤ ±0.1% of span / year                                     |                   |
| Response time (10...90%)               | ≤ 1 ms with analog output, ≤ 200 ms with digital output    |                   |

\*Accuracy includes non-linearity, hysteresis and non-repeatability.

### OPERATING CONDITIONS

|                                      |                                |              |              |
|--------------------------------------|--------------------------------|--------------|--------------|
| Medium temperature (depends on seal) | -40...+125 °C                  |              |              |
| Ambient temperature                  | -40...+85 °C                   |              |              |
| Storage temperature                  | -40...+85 °C                   |              |              |
| Approval                             | 0Ex ia IIC T6...T4 Ga X        |              |              |
| Temperature class                    | T4                             | T5           | T6           |
| Ambient temperature                  | -40...+80 °C                   | -40...+60 °C | -40...+50 °C |
| Vibration resistance                 | 10 g RMS, 20–2000 Hz           |              |              |
| Shock resistance                     | 100 g / 11 ms                  |              |              |
| Service life                         | > 100 x 10 <sup>6</sup> cycles |              |              |

### MECHANICAL SPECIFICATIONS

|                                    |  |                                  |                                |          |
|------------------------------------|--|----------------------------------|--------------------------------|----------|
| Pressure port material             | stainless steel 316 (1.4404)   |                                  |                                |          |
| Housing material                   | stainless steel 316 (1.4404)   |                                  |                                |          |
| Seal                               | EPDM (-40...+125 °C); NBR (-25...+100 °C); FKM (-20...+125 °C); welded (no seal) |                                  |                                |          |
| Diaphragm                          | stainless steel 316L (1.4435)  |                                  |                                |          |
| Wetted parts                       | Diaphragm, pressure port, seal   |                                  |                                |          |
| Pressure port                      | G1/2" DIN 3852 / EN 837  | G1/4" DIN 3852 / EN 837          | 1/2" NPT                       | 1/4" NPT |
|                                    | M20x1.5 DIN 3852 / EN 837  | M16x1.5 DIN 3852 / EN 837        | M12x1.5 DIN 3852 / EN 837      |          |
|                                    | M12x1.25 DIN 3852 / EN 837   | M12x1 DIN 3852 / EN 837          | M10x1 DIN 3852                 |          |
|                                    | G1/2" DIN 3852 Open port   | G1/2" DIN 3852 Flush diaphragm   | G3/4" DIN 3852 Flush diaphragm |          |
|                                    | M20x1.5 DIN 3852 Open port   | M20x1.5 DIN 3852 Flush diaphragm |                                |          |
| <b>Electrical connection</b>       | <b>Ingress protection</b>  | <b>Cross section</b>             | <b>Cable diameter</b>          |          |
| DIN 43650A (4 pin)                 | IP65   | 1.5 mm <sup>2</sup>              | 6...8 mm                       |          |
| Binder 723 (5 pin)                 | IP67   | 0.75 mm <sup>2</sup>             | 6...8 mm                       |          |
| M12x1 (5 pin)                      | IP67   | 0.75 mm <sup>2</sup>             | 6...8 mm                       |          |
| Buccaneer (4 pin)                  | IP68   | 1.5 mm <sup>2</sup>              | 6...8 mm                       |          |
| Cable gland, M12x1.5               | IP67   | 0.14 mm <sup>2</sup>             | 5 mm                           |          |
| Cable gland, stainless steel       | IP68   | 0.14 mm <sup>2</sup>             | 7.5 mm                         |          |
| Field housing, cable gland M20x1.5 | IP67   | 1.5 mm <sup>2</sup>              | 7...10 mm                      |          |

**DIGITAL DISPLAY (only for field housing version)**

|                        |   |
|------------------------|---|
| Display type           | OLED 128x64 pixels (30x16 mm)                               |
| Displayed units        | bar, mbar, MPa, kPa, Pa, psi, mmHg, mWc, ftH2O, %, mA, user |
| Displayed values range | -1999...9999  |
| Display accuracy       | 0.1 % of span $\pm$ 1 digit                                 |
| Settling time          | < 1 s (with damping disabled)                               |
| Damping                | 0.3...30 s (programmable)                                   |

**ELECTRICAL SPECIFICATIONS**

| Output signal        | Power supply, $U_s$      | Load resistance, R  | Power consumption    |
|----------------------|--------------------------|---|----------------------|
| 4...20 mA / 2-wire   | 12...36 V                | $\leq [(U_s - 12 \text{ V}) / 0.02 \text{ A}] \text{ Ohm}^*$                | $\leq 26 \text{ mA}$ |
| 4...20 mA / HART®    | 18...42 V (with display) | $\leq [(U_s - 18 \text{ V}) / 0.02 \text{ A}] \text{ Ohm}^*$ (with display) |                      |
| 4...20 mA / 3-wire   | 12...36 V                | $\leq 500 \text{ Ohm}$  | $< 7 \text{ mA}$     |
| 0...20 mA / 3-wire   |                          | $\geq 10 \text{ kOhm}$  |                      |
| 0...10 V / 3-wire    |                          | $\geq 5 \text{ kOhm}$   | $\leq 2 \text{ mA}$  |
| 0...5 V / 3-wire     | 5 V                      |   | $\leq 7 \text{ mA}$  |
| 0.5...4.5 V / 3-wire | 6...15 V                 |   | $\leq 7 \text{ mA}$  |
| RS-485 / Modbus RTU  | 12...36 V                | -   | $\leq 7 \text{ mA}$  |

\* For 4...20 mA / HART® output signal, minimum load resistance for digital communication: 250 Ohm.

Safe values for intrinsically safe design 0Ex ia IIC T6...T4 Ga X:

| Parameter                           | 2-wire           | 3-wire, 4-wire   |
|-------------------------------------|------------------|------------------|
| Maximum voltage, $U_i$              | 28 V             | 6 V              |
| Maximum current, $I_i$              | 93 mA            | 60 mA            |
| Maximum power, $P_i$                | 660 mW           | 100 mW           |
| Maximum internal inductance, $L_i$  | 10 $\mu\text{H}$ | 10 $\mu\text{H}$ |
| Maximum internal capacitance, $C_i$ | 15 nF            | 500 nF           |

**ELECTRICAL CONNECTIONS / PIN ASSIGNMENT**

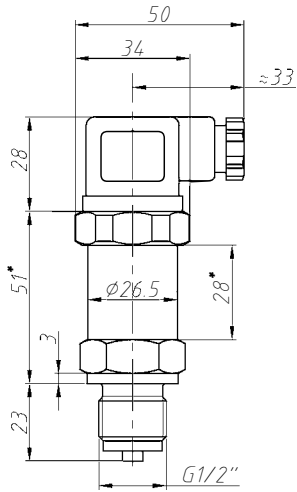
| Circuits      | DIN 43650 | M12x1 | Binder 723 | Buccaneer | Cable gland | Field housing with M20x1.5 cable gland |   |
|---------------|-----------|-------|------------|-----------|-------------|--|---|
| 2-wire        | power +   | 1     | 3          | 1         | white       | 2                                      |   |
|               | power -   | 2     | 4          | 2         | brown       | 3                                      |   |
|               | shield    | GND   | 4          | 5         | 4           | yellow-green                           | 1 |
| 3-wire        | power +   | 1     | 3          | 1         | white       | 2                                      |   |
|               | power -   | 2     | 2          | 2         | brown       | 3                                      |   |
|               | signal +  | 3     | 3          | 1         | 3           | green                                  | 4 |
|               | shield    | GND   | 4          | 5         | 4           | yellow-green                           | 1 |
| RS-485 4-wire | power +   | -     | 3          | 3         | -           | white                                  | - |
|               | power -   | -     | 1          | 1         | -           | brown                                  | - |
|               | A         | -     | 4          | 4         | -           | yellow                                 | - |
|               | B         | -     | 5          | 5         | -           | green                                  | - |
|               | shield    | -     | 2          | 2         | -           | yellow-green                           | - |

## ELECTRICAL CONNECTIONS, DIMENSIONS (mm)

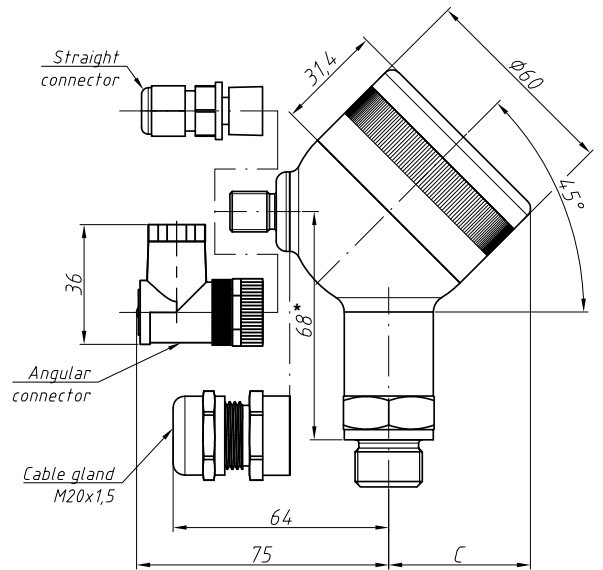
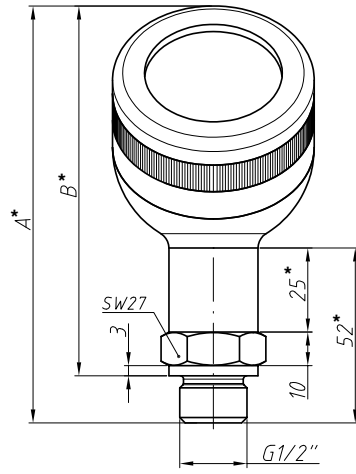
| DIN 43650A (IP65)   | Cable gland M12x1.5 (IP67)  | M12x1 straight connector (IP67)   | M12x1 angular connector (IP67)   |
|---|---|---|--|
| <p>Technical drawing of DIN 43650A connector. Side view shows a height of 33 mm and a width of 33 mm. Front view shows a diameter of 10 mm.</p>                 | <p>Technical drawing of Cable gland M12x1.5. Side view shows a height of 21 mm, a diameter of 16.5 mm, and a width of 10 mm. A detail shows a length of approximately 2 mm.</p> | <p>Technical drawing of M12x1 straight connector. Side view shows a height of 4.5 mm and a width of 17 mm. Front view shows a diameter of 10 mm.</p>                        | <p>Technical drawing of M12x1 angular connector. Side view shows a height of 30 mm, a width of 26 mm, and a total height of 41.5 mm. Front view shows a diameter of 10 mm.</p> |
| Binder 723 (IP67)   | Buccaneer (IP68)  | Stainless steel cable gland (IP68)  |  |
| <p>Technical drawing of Binder 723. Side view shows a diameter of 21.5 mm, a height of 57.5 mm, and a width of 10 mm. Front view shows a diameter of 10 mm.</p> | <p>Technical drawing of Buccaneer. Side view shows a diameter of 23.5 mm, a height of 92 mm, and a width of 40 mm. A detail shows a height of 68 mm.</p>                        | <p>Technical drawing of Stainless steel cable gland. Side view shows a diameter of 22 mm, a height of 4 mm, and a width of 15 mm. Front view shows a diameter of 10 mm.</p> |  |

## DIMENSIONS (mm)

Standard



Field housing



|                 | A   | B   | C  |
|-----------------|-----|-----|----|
| with display    | 124 | 110 | 42 |
| without display | 121 | 107 | 39 |

- \* Housing of pressure transmitter with welded sensor is 8 mm longer.
- Housing of Ex ia version is 25 mm longer.
- Housing of pressure transmitter with RS485 / ModbusRTU output signal is 34 mm longer.
- Housing of pressure transmitter with HART® output signal is 42 mm longer.

## PRESSURE PORTS, DIMENSIONS (mm)

| M20x1.5; G1/2" EN 837                                      | M16x1.5 EN 837                                      | G1/4"; M12x1; M12x1.25 M12x1.5 EN 837                                       | 1/2" NPT                                   |
|--|---|---|--|
| <p>SW27<br/>23<br/>3<br/>17.5<br/>6<br/>G1/2", M20x1.5</p> | <p>SW27<br/>19<br/>3<br/>5.5<br/>M16x1.5</p>        | <p>SW27<br/>15<br/>2<br/>5<br/>9.5<br/>G 1/4", M12x1, M12x1.25, M12x1.5</p> | <p>SW27<br/>20<br/>1/2" NPT</p>            |
| M20x1.5; G1/2" DIN 3852                                    | M16x1.5 DIN 3852                                    | G1/4"; M12x1; M12x1.25 M12x1.5 DIN 3852                                     | M10x1 DIN 3852                             |
| <p>SW27<br/>14<br/>G1/2", M20x1.5</p>                      | <p>SW27<br/>14<br/>12<br/>21.5<br/>M16x1.5</p>      | <p>SW27<br/>14<br/>12<br/>19<br/>G 1/4", M12x1, M12x1.25, M12x1.5</p>       | <p>SW27<br/>10<br/>15<br/>19<br/>M10x1</p> |
| M20x1.5; G1/2" DIN 3852 Flush diaphragm                    | M20x1.5; G1/2" DIN 3852 Open port                   | G3/4" DIN 3852 Flush diaphragm  | 1/4" NPT                                   |
| <p>SW27<br/>14<br/>G1/2", M20x1.5<br/>Flush sensor</p>     | <p>SW27<br/>21<br/>14<br/>10<br/>G1/2", M20x1.5</p> | <p>SW32<br/>3<br/>16<br/>G3/4"<br/>32<br/>Flush sensor</p>                  | <p>SW27<br/>14<br/>1/4" NPT</p>            |

**ORDERING CODE**

| APZ 3420                       |      | -X   | -X   | -XXXX | -X   | -XX   | -X   | -XXX | -X | -XX |
|--------------------------------|------|--|------|-------|------|-------|------|------|----|-----|
| <b>MEASUREMENT TYPE</b>        |      |  |      |       |      |       |      |      |    |     |
| Gauge                          |      | G  |      |       |      |       |      |      |    |     |
| Absolute                       |      | A  |      |       |      |       |      |      |    |     |
| Vacuum, LRL = -1 bar           |      | V  |      |       |      |       |      |      |    |     |
| <b>UNIT OF MEASUREMENT</b>     |      |  |      |       |      |       |      |      |    |     |
| bar                            |      | B  |      |       |      |       |      |      |    |     |
| kg/cm <sup>2</sup>             |      | S  |      |       |      |       |      |      |    |     |
| mH <sub>2</sub> O              |      | W  |      |       |      |       |      |      |    |     |
| kPa                            |      | K  |      |       |      |       |      |      |    |     |
| MPa                            |      | M  |      |       |      |       |      |      |    |     |
| Other (specify when ordering)  |      | X  |      |       |      |       |      |      |    |     |
| <b>UPPER RANGE LIMIT (URL)</b> |      |  |      |       |      |       |      |      |    |     |
| bar, kg/cm <sup>2</sup>        |      | mH <sub>2</sub> O                                    |      | kPa   |      | MPa   |      |      |    |     |
| 0.04                           | 0040 | 0.4  | 0400 | 4.0   | 4000 |       |      |      |    |     |
| 0.06                           | 0060 | 0.6  | 0600 | 6.0   | 6000 |       |      |      |    |     |
| 0.10                           | 0100 | 1.0  | 1000 | 10    | 1001 |       |      |      |    |     |
| 0.16                           | 0160 | 1.6  | 1600 | 16    | 1601 |       |      |      |    |     |
| 0.25                           | 0250 | 2.5  | 2500 | 25    | 2501 |       |      |      |    |     |
| 0.40                           | 0400 | 4.0  | 4000 | 40    | 4001 |       |      |      |    |     |
| 0.60                           | 0600 | 6.0  | 6000 | 60    | 6001 |       |      |      |    |     |
| 1.0                            | 1000 | 10   | 1001 | 100   | 1002 | 0.1   | 0100 |      |    |     |
| 1.6                            | 1600 | 16   | 1601 | 160   | 1602 | 0.16  | 0160 |      |    |     |
| 2.5                            | 2500 | 25   | 2501 | 250   | 2502 | 0.25  | 0250 |      |    |     |
| 4.0                            | 4000 | 40   | 4001 | 400   | 4002 | 0.4   | 0400 |      |    |     |
| 6.0                            | 6000 | 60   | 6001 | 600   | 6002 | 0.6   | 0600 |      |    |     |
| 10                             | 1001 | 100  | 1002 | 1000  | 1003 | 1     | 1000 |      |    |     |
| 16                             | 1601 | 160  | 1602 |       |      | 1.6   | 1600 |      |    |     |
| 25                             | 2501 | 250  | 2502 |       |      | 2.5   | 2500 |      |    |     |
| 40                             | 4001 | 400  | 4002 |       |      | 4     | 4000 |      |    |     |
| 60                             | 6001 |  |      |       |      | 6     | 6000 |      |    |     |
| 100                            | 1002 |  |      |       |      | 10    | 1001 |      |    |     |
| 160                            | 1602 |  |      |       |      | 16    | 1601 |      |    |     |
| 250                            | 2502 |  |      |       |      | 25    | 2501 |      |    |     |
| 400                            | 4002 |  |      |       |      | 40    | 4001 |      |    |     |
| 600                            | 6002 |  |      |       |      | 60    | 6001 |      |    |     |
| Other                          | XXXX | Other  | XXXX | Other | XXXX | Other | XXXX |      |    |     |
| Dual range                     |      | XXXX-XXXX*   |      |       |      |       |      |      |    |     |
| Triple range                   |      | XXXX-XXXX-XXXX*                                      |      |       |      |       |      |      |    |     |
| <b>ACCURACY</b>                |      |  |      |       |      |       |      |      |    |     |
|                                |      | 0.25% (P > 0.4 bar) (standard)                       |      | C     |      |       |      |      |    |     |
|                                |      | 0.50% (P ≤ 0.4 bar) (standard)                       |      | D     |      |       |      |      |    |     |
|                                |      | 0.20% (P > 0.4 bar)                                  |      | B     |      |       |      |      |    |     |
|                                |      | Other (specify when ordering)                        |      | X     |      |       |      |      |    |     |
| <b>ELECTRICAL CONNECTION</b>   |      |  |      |       |      |       |      |      |    |     |
|                                |      | DIN 43650A   |      | 10    |      |       |      |      |    |     |
|                                |      | Binder 723   |      | 20    |      |       |      |      |    |     |
|                                |      | M12x1, straight connector                            |      | 30    |      |       |      |      |    |     |
|                                |      | M12x1, angular connector                             |      | 31    |      |       |      |      |    |     |
|                                |      | Cable gland M12x1.5 + cable 2 m                      |      | 40    |      |       |      |      |    |     |
|                                |      | Stainless steel cable gland + cable 4 m              |      | 41    |      |       |      |      |    |     |
|                                |      | Buccaneer  |      | 50    |      |       |      |      |    |     |
|                                |      | Field housing without display, cable gland M20x1.5   |      | 60    |      |       |      |      |    |     |
|                                |      | Field housing with display, cable gland M20x1.5      |      | 67    |      |       |      |      |    |     |
|                                |      | Field housing with display, straight connector M12x1 |      | 64    |      |       |      |      |    |     |
|                                |      | Field housing with display, angular connector M12x1  |      | 65    |      |       |      |      |    |     |
|                                |      | Other (specify when ordering)                        |      | XX    |      |       |      |      |    |     |

## ORDERING CODE (CONTINUED)

|                      | APZ 3420 | -X | -X | -XXXX | -X   | -XX | -X | -XXX | -X | -XX |
|----------------------|----------|----|----|-------|--|-----|----|------|----|-----|
| <b>OUTPUT SIGNAL</b> |          |    |    |       |  |     |    |      |    |     |
|                      |          |    |    |       | 4...20 mA / 2-wire (standard)                      |     | A  |      |    |     |
|                      |          |    |    |       | 4...20 mA / 2-wire, 0Ex ia IIC T6...T4 Ga X        |     | Q  |      |    |     |
|                      |          |    |    |       | 4...20 mA / 3-wire                                 |     | B  |      |    |     |
|                      |          |    |    |       | 0...20 mA / 3-wire                                 |     | C  |      |    |     |
|                      |          |    |    |       | 0...5 mA / 3-wire                                  |     | S  |      |    |     |
|                      |          |    |    |       | 0...10 V / 3-wire                                  |     | D  |      |    |     |
|                      |          |    |    |       | 0...5 V / 3-wire                                   |     | E  |      |    |     |
|                      |          |    |    |       | 0.5...4.5 V, $U_S = 5 V$ , 0Ex ia IIC T6...T4 Ga X |     | R  |      |    |     |
|                      |          |    |    |       | 0.5...4.5 V, $U_S = 6...15 V$                      |     | K  |      |    |     |
|                      |          |    |    |       | RS-485 / Modbus RTU                                |     | M  |      |    |     |
|                      |          |    |    |       | 4...20 mA / HART®                                  |     | H  |      |    |     |
|                      |          |    |    |       | Other (specify when ordering)                      |     | X  |      |    |     |
| <b>PRESSURE PORT</b> |          |    |    |       |  |     |    |      |    |     |
|                      |          |    |    |       | M20x1.5 DIN 3852 (standard)                        |     |    | 200  |    |     |
|                      |          |    |    |       | M20x1.5 EN 837 (standard)                          |     |    | 201  |    |     |
|                      |          |    |    |       | G1/2" DIN 3852 (standard)                          |     |    | 720  |    |     |
|                      |          |    |    |       | G1/2" EN 837 (standard)                            |     |    | 721  |    |     |
|                      |          |    |    |       | G1/4" DIN 3852 (standard)                          |     |    | 740  |    |     |
|                      |          |    |    |       | G1/4" EN 837                                       |     |    | 741  |    |     |
|                      |          |    |    |       | M10x1 DIN 3852                                     |     |    | 100  |    |     |
|                      |          |    |    |       | M12x1 DIN 3852                                     |     |    | 120  |    |     |
|                      |          |    |    |       | M12x1 EN 837                                       |     |    | 121  |    |     |
|                      |          |    |    |       | M12x1.5 DIN 3852                                   |     |    | 122  |    |     |
|                      |          |    |    |       | M12x1.5 EN 837                                     |     |    | 123  |    |     |
|                      |          |    |    |       | M16x1.5 DIN 3852                                   |     |    | 160  |    |     |
|                      |          |    |    |       | M16x1.5 EN 837                                     |     |    | 161  |    |     |
|                      |          |    |    |       | G3/4" DIN 3852 Flush diaphragm                     |     |    | 735  |    |     |
|                      |          |    |    |       | G1/2" DIN 3852 Flush diaphragm                     |     |    | 725  |    |     |
|                      |          |    |    |       | G1/2" DIN 3852 Open port                           |     |    | 726  |    |     |
|                      |          |    |    |       | M20x1.5 DIN 3852 Flush diaphragm                   |     |    | 205  |    |     |
|                      |          |    |    |       | M20x1.5 DIN 3852 Open port                         |     |    | 206  |    |     |
|                      |          |    |    |       | 1/4" NPT   |     |    | 840  |    |     |
|                      |          |    |    |       | 1/2" NPT   |     |    | 820  |    |     |
|                      |          |    |    |       | M12x1.25 DIN 3852                                  |     |    | 127  |    |     |
|                      |          |    |    |       | M12x1.25 EN 837                                    |     |    | 128  |    |     |
|                      |          |    |    |       | Other (specify when ordering)                      |     |    | XXX  |    |     |



## ORDERING CODE (CONTINUED)

|                | APZ 3420 | -X | -X | -XXXX | -X | -XX | -X | -XXX                                   | -X   | -XX |
|----------------|----------|----|----|-------|----|-----|----|--|--|-----|
| <b>SEALS</b>   |          |    |    |       |    |     |    |  |  |     |
|                |          |    |    |       |    |     |    | FKM (-20...+125 °C) (standard)         | F  |     |
|                |          |    |    |       |    |     |    | NBR (-25...+100 °C)                    | N  |     |
|                |          |    |    |       |    |     |    | EPDM (-40...+125 °C)                   | E  |     |
|                |          |    |    |       |    |     |    | Welded sensor (no seal, -40...+125 °C) | W  |     |
|                |          |    |    |       |    |     |    | Other (specify when ordering)          | X  |     |
| <b>VERSION</b> |          |    |    |       |    |     |    |  |  |     |
|                |          |    |    |       |    |     |    |  | Standard   | 00  |
|                |          |    |    |       |    |     |    |  | Zero trim (requires ZCON 100 configurator)               | 01  |
|                |          |    |    |       |    |     |    |  | Dual range, zero trim (requires ZCON 100 configurator)   | 02  |
|                |          |    |    |       |    |     |    |  | Triple range, zero trim (requires ZCON 100 configurator) | 03  |
|                |          |    |    |       |    |     |    |  | Temperature compensated in the range of -40...+60 °C     | 46  |
|                |          |    |    |       |    |     |    |  | Compound filled version                                  | 16  |
|                |          |    |    |       |    |     |    |  | Other (specify when ordering)                            | XX  |

\* Ranges for triple range and dual-range version can be chosen from single range options. The widest range comes first, followed by the next and the smallest one. For example, the range code for 6, 4 and 2.5 bar is 6000-4000-2500.

Example: APZ 3420-G-B-4001-B-10-A-200-F-00

## ACCESSORIES

|  |  |  |  |  |
|--|--|--|--|--|
|  |  |  |  |  |
| DZ 10<br>Pressure snubber  | ZCON 100<br>Zero trim and range selection device                                   | ANZ 200<br>Plug-in display for transmitters with<br>4-20 mA output                 | PZ 1024<br>Power supply unit   | BZ 05 / BZ 10<br>Dry air junction box for submersible<br>transmitters                |