# Order specification DTA series
# Pressure Transducer with mV/V output and temperature measurement

| Order specification | DTA - | | - | | - | | - | | - | | - | | - | | - | | - | | - | | - | | - | | - | | - | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Standard configuration** | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | **DTA** | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| **Total measurement error FSO** | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 0,25% | *1 | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| **0,50%** | | **2** | | | | | | | | | | | | | | | | | | | | | | | | | | |
| **Output signal** | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| **2,0 mV/V** | | | **0 0** | | | | | | | | | | | | | | | | | | | | | | | | | |
| **2,5 mV/V** | | | **0 5** | | | | | | | | | | | | | | | | | | | | | | | | | |
| **3,3 mV/V** | | | **5 0** | | | | | | | | | | | | | | | | | | | | | | | | | |
| **Thermocouple** | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| **Thermocouple type J** | | | | **T H J** | | | | | | | | | | | | | | | | | | | | | | | | |
| **Thermocouple type L** | | | | **T H L** | | | | | | | | | | | | | | | | | | | | | | | | |
| **Thermocouple type K** | | | | **T H K** | | | | | | | | | | | | | | | | | | | | | | | | |
| Meas. resistance PT-100 (2-wire) | | | | P T 2 | | | | | | | | | | | | | | | | | | | | | | | | |
| Meas. resistance PT-100 (3-wire) | | | | P T 3 | | | | | | | | | | | | | | | | | | | | | | | | |
| Meas. resistance PT-100 (4-wire) | | | | P T 4 | | | | | | | | | | | | | | | | | | | | | | | | |
| **Thread connection** | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| **1/2" UNF 2A** | | | | | | **1 2 A** | | | | | | | | | | | | | | | | | | | | | | |
| M18 x 1,5 A | | | | | | 1 8 A | | | | | | | | | | | | | | | | | | | | | | |
| M18 x 1,5 B | | | | | | 1 8 B | | | | | | | | | | | | | | | | | | | | | | |
| **Pressure range [PSI]** | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| **750** | | | | | | | | **P 7 5 Z** | | | | | | | | | | | | | | | | | | | | |
| **1500** | | | | | | | | **P 1 5 H** | | | | | | | | | | | | | | | | | | | | |
| **3000** | | | | | | | | **P 3 0 H** | | | | | | | | | | | | | | | | | | | | |
| **5000** | | | | | | | | **P 5 0 H** | | | | | | | | | | | | | | | | | | | | |
| **6000** | | | | | | | | **P 6 0 H** | | | | | | | | | | | | | | | | | | | | |
| **7500** | | | | | | | | **P 7 5 H** | | | | | | | | | | | | | | | | | | | | |
| **9000** | | | | | | | | **P 9 0 H** | | | | | | | | | | | | | | | | | | | | |
| **10000** | | | | | | | | **P 1 0 T** | | | | | | | | | | | | | | | | | | | | |
| **12000** | | | | | | | | **P 1 2 T** | | | | | | | | | | | | | | | | | | | | |
| **15000** | | | | | | | | **P 1 5 T** | | | | | | | | | | | | | | | | | | | | |
| **20000** | | | | | | | | **P 2 0 T** | | | | | | | | | | | | | | | | | | | | |
| **30000** | | | | | | | | **P 3 0 T** | | | | | | | | | | | | | | | | | | | | |
| **Shaft length (rigid)** | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| **152 mm, 6" (standard)** | | | | | | | | | | **S 0** | | | | | | | | | | | | | | | | | | |
| 203 mm, 8,0" | | | | | | | | | | S 1 | | | | | | | | | | | | | | | | | | |
| 254 mm, 10,0" | | | | | | | | | | S 2 | | | | | | | | | | | | | | | | | | |
| 318 mm, 12,5" | | | | | | | | | | S 3 | | | | | | | | | | | | | | | | | | |
| 356 mm, 14,0" | | | | | | | | | | S 4 | | | | | | | | | | | | | | | | | | |
| 457 mm, 18,0" | | | | | | | | | | S 5 | | | | | | | | | | | | | | | | | | |
| 76 mm, 3,0" | | | | | | | | | | S 8 | | | | | | | | | | | | | | | | | | |
| Special shaft length | | | | | | | | | | S 9 | | | | | | | | | | | | | | | | | | |
| **Length of flexible pressure capillary** | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| **457 mm, 18" (standard)** | | | | | | | | | | | | **F 5** | | | | | | | | | | | | | | | | |
| 610 mm, 24" | | | | | | | | | | | | F 6 | | | | | | | | | | | | | | | | |
| 760 mm, 30" | | | | | | | | | | | | F 8 | | | | | | | | | | | | | | | | |
| Special length | | | | | | | | | | | | F 9 | | | | | | | | | | | | | | | | |
| **Diaphragm** | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| **Stainless steel** | *2 | | | | | | | | | | | | | **R** | | | | | | | | | | | | | | |
| Alloy C4 | *2 | | | | | | | | | | | | | H | | | | | | | | | | | | | | |
| Alloy 718 | *2 | | | | | | | | | | | | | I | | | | | | | | | | | | | | |
| Stainless steel/GX-Coating | | | | | | | | | | | | | | B | | | | | | | | | | | | | | |
| Alloy C4/GX-Coating | | | | | | | | | | | | | | C | | | | | | | | | | | | | | |
| Alloy 718/GX-Coating | | | | | | | | | | | | | | D | | | | | | | | | | | | | | |
| Special diaphragm | | | | | | | | | | | | | | S | | | | | | | | | | | | | | |
| **Sensor medium** | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| **Mercury-free** | | | | | | | | | | | | | | | | **W** | | | | | | | | | | | | |
| Mercury-free high temperature | *5 | | | | | | | | | | | | | | | N | | | | | | | | | | | | |
| **Mercury** | | | | | | | | | | | | | | | | **M** | | | | | | | | | | | | |
| **Electrical connection** | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| **6-pole connection (standard)** | | | | | | | | | | | | | | | | | | **6 P** | | | | | | | | | | |
| 8-pole connection | | | | | | | | | | | | | | | | | | 8 P | | | | | | | | | | |
| Cable exit stainless steel, 3m | *3 | | | | | | | | | | | | | | | | | 3 3 | | | | | | | | | | |
| **Special design** | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| **No special design** | | | | | | | | | | | | | | | | | | | | | | | | | | | **0 0 0** | |
| Special design | | | | | | | | | | | | | | | | | | | | | | | | | | | x x x | |

*1 Only available ≥ 1500 PSI

*2 As a standard, all diaphragms are coated with Gneuss unique "G-coating" against adhesive and glutinous media. Special coatings are available on request.

*3 For cable exit, please confirm cable length. Unless specified, the standard length will be 3 m.

*5 Mercury-free High Temperature ≥ 300° (only available from 1500 PSI up to 12000 PSI)

**Gneuß Kunststofftechnik GmbH - Mönichhusen 42 - D-32549 Bad Oeynhausen - Tel. +49 5731 / 53 07-0 - Fax +49 5731 / 53 07-77**