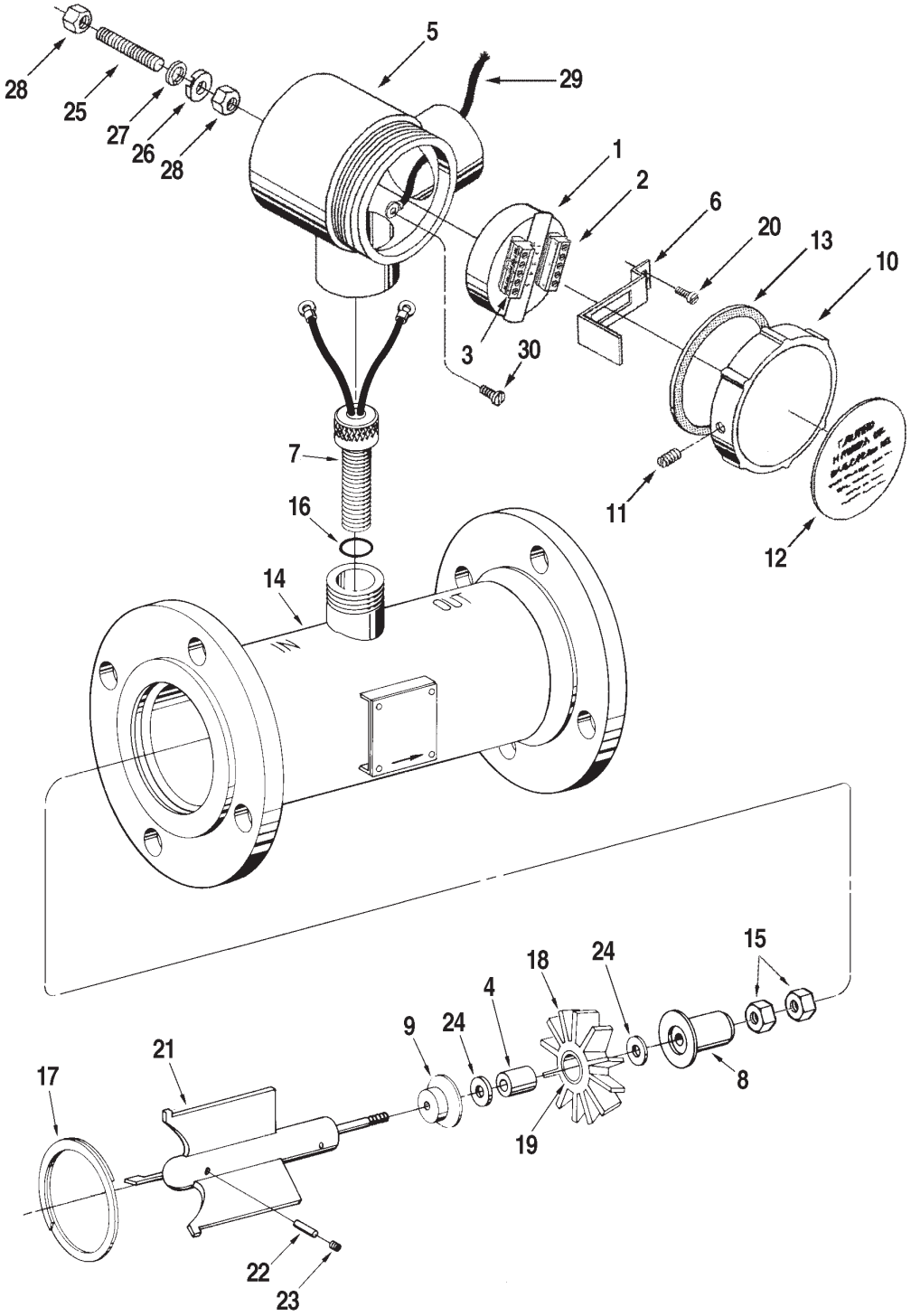
GUIDANT

# Meter, Turbine, 3 Inch, Guardsman™ G Series, Model K2BD

Bulletin PO02003 Issue/Rev. 0.0 (07/13)



| Item | | Description | Qty. | Part Number |
|---|---|---|---|---|
| 1 | + | Preamplifier: | | |
| | | PA-6, 12 to 24 Vdc | # | 230663-101 |
| 2 | | Connector, (1-5) | # | 645030-452 |
| 3 | | Connector, (6-10) | # | 645030-453 |
| 4 | + | Bearing, Platform: | | |
| | | Smooth | 1 | 540305-208 |
| 5 | | Box, Conduit | # | 543256-200 |
| 6 | | Clip, Retaining | # | 543192-203 |
| 7 | | Coil, Pickup: | | |
| | | -100°F to 225°F | # | 644327-401 |
| | | -100°F to 400°F (High Temperature Version) | # | 641512-401 |
| | | Mating Connector with Leads (High Temp. Version) | # | 540244-101 |
| 8 | @1@2 | Cone, Downstream: | | |
| | | Unidirectional and Bidirectional | 1 | 543340-210 |
| 9 | @1@2 | Cone, Upstream, 316 Stn. Stl., Current Design | 1 | 543339-201 |
| 10 | | Cover, Conduit Box: | | |
| | | UL/CSA Approvals | # | 543196-100 |
| | | ATEX – Manufactured in U.S.A. | # | 544057-101 |
| | | ATEX – Manufactured in Germany | # | 544057-102 |
| 11 | | Screw, #6-32 x 1/4" | # | 643243-403 |
| 12 | | Label: | | |
| | | UL/CSA Approvals | # | 543195-200 |
| | | ATEX – Manufactured in U.S.A. | # | 544056-201 |
| | | ATEX – Manufactured in Germany | # | 544056-202 |
| 13 | | Gasket, Conduit Box | # | 013403-200 |
| 14 | | Housing | 1 | See Note 3 |
| 15 | | Nut, Hex #10-32 | 2 | 640704-001 |
| 16 | @6 | O-Ring, Buna | # | 641069-474 |
| 17 | + | Ring, Retaining: | | |
| | | 302 Stn. Stl | 1 | 644420-401 |
| 18 | @1 | Rotor Assembly, Standard: | | |
| | | Current Design | 1 | 540292-190 |
| 19 | | Bearing, Rotor | 1 | 540296-201 |
| 20 | | Screw, #10-32 x 1/4" | # | 009544-401 |
| 21 | @4 | Stator Assembly, 316 Stn. Stl. | 1 | 543856-103 |
| 22 | | Pin, Dowel, 1/8 x 3/8" | 1 | 644541-401 |
| 23 | @5 | Screw, #10-32 x 3/8" Set | 1 | 645416-401 |
| 24 | + | Washer, Thrust: | | |
| | | Unidirectional and Bidirectional | 2 | 543643-202 |
| 25 | | Stud (ATEX version only) | # | 550773-001 |
| 26 | | Washer, Inverted (ATEX version only) | # | 550770-001 |
| 27 | | Washer, 1/4" Lock (ATEX version only) | # | 006621-001 |
| 28 | | Nut, Hex, 1/4"-20 (ATEX version only) | # | 060060-001 |
| 29 | | Ground Wire (UL/CSA version only) | # | 544058-101 |
| 30 | | Screw, #10-32 x 1/4" (UL/CSA version only) | # | 006110-002 |

**Internal Parts Kits**

| | |
|---|---|
| Unidirectional – Smooth Bearing | 543849-101 |
| Bidirectional – Smooth Bearing | 543849-102 |

+ Recommended stock.
# Order quantity required.

@1 Note 1: Due to a change in the design of this meter in August of 1987, it is necessary to determine whether your meter is of current or previous design. Standard serial numbers up to and including 5015 and special serial numbers up to and including 200779 are considered previous design. Numbers higher than those are current design. These numbers can be found on the nameplate of the meter and on the stator.

@2 Note 2: Should either an upstream or downstream cone require replacement on a previous design meter, it will be necessary to replace both at the same time. Cones on current design meters can be replaced individually.

@3 Note 3: Consult Factory, (814) 898-5000. Provide Model No. and Serial No. and advise:

1. Uni or Bidirectional
2. Housing Material
3. Flange Material
4. Flange Class (Pressure)
5. Number of Pickup Coil Bosses
6. Type of Flanges

@4 Note 4: If problems are encountered during installation of stator, please contact Factory, (814) 898-5000.

@5 Note 5: Apply small amount of Loctite (Part No. 643917-401) to set screw before installing.

@6 Note 6: O-Ring not required for Stainless Steel Housings.

# Technical Support

Contact Information:
**Field Service Response Center**
24/7 Technical Support/Schedule a Technician: 1-844-203-4014
System Installation Supervision, Start-Up, Training, and Commissioning Services Available

The specifications contained herein are subject to change without notice and any user of said specifications should verify from the manufacturer that the specifications are currently in effect. Otherwise, the manufacturer assumes no responsibility for the use of specifications which may have been changed and are no longer in effect.

USA Operation
1602 Wagner Avenue
Erie, Pennsylvania 16510 USA
P:+1 814.898.5000

Germany Operation
Smith Meter GmbH
Regentstrasse 1
25474 Ellerbek, Germany
P:+49 4101 304.0

© Guidant Corporation 2025 All rights reserved.

www.GuidantMeasurement.com