

TRANS-TEK线速度传感器0100-0000

产品名称	TRANS-TEK线速度传感器0100-0000
公司名称	深圳市正达机电设备有限公司
价格	1.00/台
规格参数	品牌:TRANS-TEK 型号:0100-0000
公司地址	深圳市龙华新区龙华街道梅龙大道912、914、916号2楼201
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产品详情

TRANS-TEK线速度传感器0100-0000 深圳市正达机电设备有限公司供应TRANS-TEK 100系列线速度传感器 型号：0100-0000,0100-0001,0101-0000,0101-0001,0111-0000,0111-0001.....0127-0001 Series 100 Linear Velocity The Series 100 Linear Velocity Transducers provide a simple yet accurate means of measuring linear velocity. They consist of high coercive force permanent magnet cores which induce sizable DC voltage while moving concentrically within shielded coils. The basic design permits operation without external excitation while the generated output voltage varies linearly with core (magnet) velocity. These transducers are ideal for seismology, hydraulic ram speed, drilling rate, and any other application where an instantaneous velocity measurement is required. KEY FEATURES Self-Generating DC Voltage Output High Frequency Response High Sensitivity Magnetically Shielded ELECTRICAL SPECIFICATIONS MAGNET DIMENSIONS Inches (mm) NOM. OUTPUT SENSITIVITY mV/in/sec (mV/mm/sec) ELECTRICAL IMPEDANCE Coils Connected in Series REPLACEMENT MAGNETS FREQUENCY RESPONSE* Hz MODEL NUMBER WORKING RANGE USABLE RANGE Open Circuit R Ohms L Henries Magnet Number Load = 10R Load = 100R 0100-0000 0.5 (12) 1.3 (33) 120 (5) 2000 0.085 M000-0000 350 1500 0100-0001 0.5 (12) 1.3 (33) 54 (2) 2000 0.085 M000-0008 350 1500 0101-0000 1.0 (25) 1.9 (48) 90 (4) 2500 0.065 M000-0001 600 1500 0101-0001 1.0 (25) 1.9 (48) 40 (2) 2500 0.065 M000-0009 600 1500 0111-0000 1.0 (25) 2.3 (58) 550 (22) 13000 1.6 M000-0002 120 600 0111-0001 1.0 (25) 2.3 (58) 250 (10) 13000 1.6 M000-0010 120 600 0112-0000 2.0 (50) 3.4 (86) 550 (22) 19000 2.9 M000-0003 100 500 0112-0001 2.0 (50) 3.4 (86) 250 (10) 19000 2.9 M000-0011 100 500 0113-0000 3.0 (75) 4.2 (107) 550 (22) 25000 3.2 M000-0004 120 500 0113-0001 3.0 (75) 4.2 (107) 250 (10) 25000 3.2 M000-0012 120 500 0114-0000 4.0 (100) 5.5 (140) 550 (22) 32000 4.0 M000-0005 120 400 0114-0001 4.0 (100) 5.5 (140) 250 (10) 32000 4.0 M000-0013 120 400 0122-0000 6.0 (150) 8.0 (203) 425 (17) 11500 1.9 M000-0006 95 450 0122-0001 6.0 (150) 8.0 (203) 160 (6) 11500 1.9 M000-0014 95 450 0123-0000 9.0 (225) 11.0 (279) 425 (17) 17000 2.8 M000-0007 95 450 0123-0001 9.0 (225) 11.0 (279) 160 (6) 17000 2.8 M000-0015 95 450 0124-0001 12.0 (300) 15.0 (381) 175 (7) 22000 3.7 M000-0023 95 450 0125-0001 16.5 (412) 18.5 (470) 175 (7) 29000 5.1 M000-0024 90 430 0126-0001 20.0 (500) 22.0 (559) 175 (7) 34000 6.2 M000-0025 90 430 0127-0001 24.0 (600) 26.0 (660) 175 (7) 42000 7.3 M000-0028 90 430 Operating Temperature Range: -50 ° F to +200 ° F (-46 ° C to +93 ° C) Max. Non-Linearity: < ± 2.5% of Reading * Output voltage is attenuated < 1% of the constant velocity value. Polarity of Output: Voltage at Red lead is positive with respect to that at Black when north pole of magnet is closest to, and traveling towards, lead end of LVT. MECHANICAL SPECIFICATIONS COIL

HOUSING DIMENSIONS Inches (mm) MAGNET DIMENSIONS Inches (mm) MODEL NUMBER CA LA
 (OD)A (ID)A WEIGHT WA Grams LC (OD)C THREAD WEIGHT WC Grams 0100-0000 1.34 (34) 3.17 (81)
 0.374 (9.5) 0.13 (3.3) 20 2.38 (60) 0.125 (3.2) 1-72 NF 3.5 0100-0001 1.34 (34) 3.17 (81) 0.374 (9.5) 0.13 (3.3) 20 1.63
 (41) 0.125 (3.2) 1-72 NF 2.5 0101-0000 1.88 (48) 4.24 (108) 0.374 (9.5) 0.13 (3.3) 25 3.00 (76) 0.125 (3.2) 1-72 NF 4.5
 0101-0001 1.88 (48) 4.24 (108) 0.374 (9.5) 0.13 (3.3) 25 2.25 (57) 0.125 (3.2) 1-72 NF 3.8 0111-0000 2.25 (57) 5.06
 (129) 0.624 (15.9) 0.19 (4.8) 110 3.50 (89) 0.187 (4.8) 4-40 NC 11 0111-0001 2.25 (57) 5.06 (129) 0.624 (15.9) 0.19
 (4.8) 110 2.75 (70) 0.187 (4.8) 4-40 NC 10 0112-0000 3.25 (83) 7.06 (179) 0.624 (15.9) 0.19 (4.8) 150 4.50 (114)
 0.187 (4.8) 4-40 NC 15 0112-0001 3.25 (83) 7.06 (179) 0.624 (15.9) 0.19 (4.8) 150 3.75 (95) 0.187 (4.8) 4-40 NC 14
 0113-0000 4.25 (108) 9.06 (230) 0.624 (15.9) 0.19 (4.8) 200 5.25 (133) 0.187 (4.8) 4-40 NC 17 0113-0001 4.25 (108)
 9.06 (230) 0.624 (15.9) 0.19 (4.8) 200 4.50 (114) 0.187 (4.8) 4-40 NC 16 0114-0000 5.38 (137) 11.31 (287) 0.624
 (15.9) 0.19 (4.8) 240 6.75 (171) 0.187 (4.8) 4-40 NC 22 0114-0001 5.38 (137) 11.31 (287) 0.624 (15.9) 0.19 (4.8)
 240 6.00 (152) 0.187 (4.8) 4-40 NC 21 0122-0000 7.63 (194) 15.81 (402) 0.749 (19) 0.30 (7.6) 420 9.25 (235) 0.25
 (6.3) 4-40 NC 54 0122-0001 7.63 (194) 15.81 (402) 0.749 (19) 0.30 (7.6) 420 8.50 (216) 0.23 (5.8) 4-40 NC 51
 0123-0000 11.1 (282) 22.81 (579) 0.749 (19) 0.30 (7.6) 610 11.75 (298) 0.25 (6.3) 4-40 NC 69 0123-0001 11.1 (282)
 22.81 (579) 0.749 (19) 0.30 (7.6) 610 11.00 (279) 0.23 (5.8) 4-40 NC 66 0124-0001 14.1 (358) 29.00 (737) 0.749 (19)
 0.30 (7.6) 810 14.25 (362) 0.23 (5.8) 4-40 NC 88 0125-0001 18.6 (472) 38.00 (965) 0.749 (19) 0.30 (7.6) 1120 18.75
 (476) 0.23 (5.8) 4-40 NC 121 0126-0001 22.1 (561) 45.00 (1143) 0.749 (19) 0.30 (7.6) 1360 22.25 (565) 0.23 (5.8) 4-40
 NC 147 0127-0001 26.1 (663) 53.00 (1346) 0.749 (19) 0.30 (7.6) 1520 26.25 (667) 0.23 (5.8) 4-40 NC 156

DIMENSIONAL DIAGRAM