



# BAZAR SANAT

بازار صنعت



Temperature



Liquid Analysis



Level



Pressure



Flow



Humidity



Control



Recording



Monitoring



Automation



▶ TEFLON CABLE AND WIRE

▶ THERMOCOUPLE

▶ PRESSURE

▶ LEVEL

▶ AUTOMATION

▶ POWER

▶ PUMP

▶ HAND VALVE

▶ CONTROL VALVE

▶ PNEUMATIC

▶ TRANSMITTER

▶ INSTRUMENT

▶ Electrical HEATERS

▶ FLOW

▶ VIBRATION DEVICES

▶ FORCE

▶ STRAIN GAUGE

▶ DATA ACQUISITION SYSTEMS

▶ INDUSTRIAL DEVICE



PFEIFFER VACUUM

Endress+Hauser People for Process Automation

EMERSON Process Management

OMEGA Your One-Stop Source for Process Measurement & Control

JUMO

WIKA

Brüel & Kjær

Finder s.p.a.

ROSEMOUNT

Magnetrol

omerin division polyacable

BLE

CSQ

Servomech

ipf

KANTHAL

SANPLA

TURK-HILLINGER ELEKTROWÄRME

آدرس : تهران - سهروردی جنوبی خیابان اقلیمی پلاک ۷۳ طبقه سوم تلفن ۸۸۴۳۰۴۶۰ فاکس ۸۸۴۱۱۲۱۰

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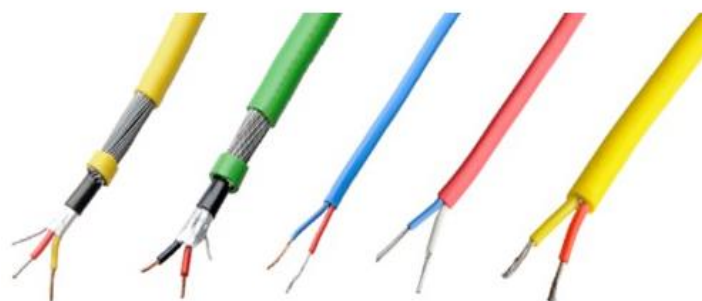
# TEFLON WIRES AND CABLES

## PTFE Insulated Cable

Precisely developed and long lasting Multicore Jacketed **PTFE Insulated Cable** are made available at industry leading prices. These are multi layer cables developed using standard raw materials. These materials are sourced from reliable vendors who have been working with us for a long duration of time. Our cables find application in home appliances, hand lamps and electrical devices. They are highly temperature and moisture resistant.

### Specifications:

- Conductor: ABC/SPC/NPC
- Insulation: PTFE Wrap Insulation
- Properties: Resistant to Fire, Chemicals, Sunlight, Moisture & Corona Resistant.
- Type: Multi Core & Multi Colour
- Voltage Grade: 250 V / 600 V / 1000 V
- Jacket Material: PTFE or FRLS PVC
- Temperature Range: - 65 °C to + 200 °C
- Standards Applicable: JSS - 51034, JSS - 51038 & MIL - W - 16878 D
- Core & Jacket Color: As per customer requirement
- Size: As per customer requirement



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# THERMOCOUPLES





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## Push-in thermocouples with terminal head form A

- For temperatures from -200 to +1600 °C
- With thermowells made of various materials
- As single or double thermocouple
- Available with transmitter

Push-in thermocouples are preferentially used for measuring temperatures in liquids and gases. The application areas are, among others, in the HVAC, kiln and apparatus engineering sector. The connection head form A is suitable for ambient temperatures up to +100 °C. The support tube is made of steel. When using a counter flange, see data sheet 90.9725 (90.9725), the installation point can be sealed up to 1 bar.

Sheaths made of various ceramic materials and heat resistant steels protect the measuring insert against chemical influences and mechanical damage. The selection of a suitable sheath material depends on the conditions on site.

Thermocouples (elements) as per DIN EN 60584 and DIN 43710, class 2, are set into the measuring insert. Versions with two thermocouples are also possible.

### Technical data

**Terminal head** Form A DIN 43729, die-cast aluminum, M 20x1.5; IP54, ambient temperature -40 to +100 °C

Caution: reduced ambient temperature when using connection head transmitters, data sheets 70.7010 and 70.7060

**Process connection** Sheath screw-connection G 1

Stop flange Ø 22 mm, DIN 43734

Stop flange Ø 32 mm, DIN 43734

**Sheath** Steel 1.4749, Ø 22 mm, operating temperature up to +1150 °C (seamless)

Steel 1.4841, Ø 22 mm, operating temperature up to +1150 °C (seamless)

Ceramic C 610 (KER 610), Ø 15 mm, Ø 24 mm, operating temperatures up to +1300 °C

Ceramic C 799 (KER 710), Ø 15 mm, Ø 24 mm, operating temperatures up to +1600 °C

**Measuring insert** Insulated structure:

1x Fe-CuNi „J“, DIN EN 60584, cl. 2, operating temperature -200 to +600 °C

1x Fe-CuNi „L“, DIN 43710, cl. 2, operating temperature -200 to +600 °C

1x NiCr-Ni „K“, DIN EN 60584, cl. 2, operating temperature -200 to +1200 °C

1x Pt10Rh-Pt „S“, DIN EN 60584, cl. 2, operating temperature 0 to 1300 °C

1x Pt30Rh-Pt6Rh „B“, DIN EN 60584, cl. 2, operating temperature 600 to 1600 °C

2x Fe-CuNi „J“, DIN EN 60584, cl. 2, operating temperature -200 to +600 °C

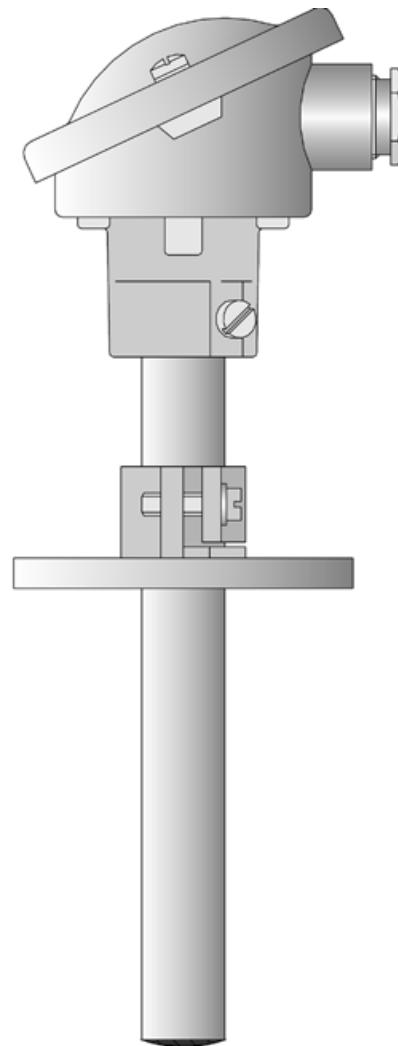
2x Fe-CuNi „L“, DIN 43710, cl. 2, operating temperature -200 to +600 °C

2x NiCr-Ni „K“, DIN EN 60584, cl. 2, operating temperature -200 to +1200 °C

2x Pt10Rh-Pt „S“, DIN EN 60584, cl. 2, operating temperature 0 to 1300 °C

2x Pt30Rh-Pt6Rh „B“, DIN EN 60584, cl. 2, operating temperature 600 to 1600 °C

**Transmitter** Programmable transmitter, 4 to 20 mA/20 to 4 mA output, data sheet 70.7010 Wtrans B programmable head transducer





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## PRESSURE TRANSMITTER

Endress+Hauser   
People for Process Automation

### Technical Information

## Deltabar S PMD70/75, FMD76/77/78

Differential pressure measurement

Differential pressure transmitter with ceramic and silicon sensors

Overload-resistant and function-monitored; Communication via HART, PROFIBUS PA or FOUNDATION Fieldbus

### Application

The Deltabar S differential pressure transmitter is used for the following measuring tasks:

- Flow measurement (volume or mass flow) in conjunction with primary devices in gases, vapors and liquids
- Level, volume or mass measurement in liquids
- Differential pressure monitoring, e.g. of filters and pumps
- International usage thanks to a wide range of approvals

### Your benefits

- Very good reproducibility and long-term stability
- High reference accuracy: up to  $\pm 0.075\%$ , as PLATINUM version:  $\pm 0.05\%$
- Turn down up to 100:1, higher on request
- Used for flow and differential pressure monitoring up to SIL 3, certified to IEC 61508 by TÜV SÜD
- HistoROM®/M-DAT memory module
- Function-monitored from the measuring cell to the electronics
- Continuous modularity for differential pressure, hydrostatics and pressure (Deltabar S, Deltapilot S, Cerabar S), e.g.
  - replaceable display
  - universal electronics
- Quick commissioning with Quick Setup menu
- Menu-guided operation





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• Extensive diagnostic functions

## LEVEL TRANSMITTER

Endress+Hauser   
People for Process Automation

### Technical Information

Micropilot FMR51, FMR52

### Level radar



### Level measurement in liquids

#### Application

Continuous, non-contact level measurement of liquids, pastes and slurries

#### Features FMR51:

- Level measurement under extreme conditions
- Maximum measuring range: 40 m (131 ft); for version with enhanced dynamics: 70 m (230 ft)
- Process connection: 1½" thread/Tri-Clamp/flange
- Temp. range: -196 to +450 ° C (-321 to +842 ° F)
- Pressure range: -1 to +160 bar (-14.5 to +2 320 psi)
- Accuracy: ± 2 mm

#### Features FMR52:

- For aggressive media as well as for highest hygiene requirements (ASME BPE, USP Class VI)
- Flush mounted, completely filled PTFE horn antenna
- Maximum measuring range: 40 m (131 ft); for version with enhanced dynamics: 60 m (197 ft)
- Flush mounted with cladded flange; or process connections for hygiene requirements (Tri-Clamp, ...)
- Temp. range: -40 to +200 ° C (-40 to +392 ° F)
- Pressure range: -1 to +16 bar (-14.5 to +232 psi)
- Accuracy: ± 2 mm

#### Your benefits

- Reliable even under changing product and process conditions
- Integrated data memory (HistoROM) for high availability
- Intuitive operating menu in national languages for easy commissioning
- Exact diagnostic and process information
- International approvals for use in hazardous areas
- 5-point linearity protocol
- WHG and marine approvals
- SIL2 according to IEC 61508, SIL3 in case of homogeneous or heterogeneous redundancy



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· System integration via HART/PROFIBUS PA (Profile 3.02)/FOUNDATION

# AUTOMATION

Proximity Switch



Pressure transmitter



Accelerometer



Tachometer



Load cell



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### Product Data Sheet

00813-0100-4001, Rev HA

March 2008

Rosemount 3051

# Rosemount 3051 Pressure Transmitter

## THE PROVEN INDUSTRY LEADER IN PRESSURE MEASUREMENT

- Best-in-Class performance with 0.04% High Accuracy option
- Industry first installed five-year stability
- Unmatched Dynamic Performance
- Coplanar™ platform enables integrated pressure, flow, and level solutions
- Advanced PlantWeb® Functionality to increase plant productivity



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**PFEIFFER**  **VACUUM**

## Data Sheet - MVP 020-3 AC

### MVP 020-3 AC, Diaphragm pump, 100-120/200-230 V, 50/60 Hz

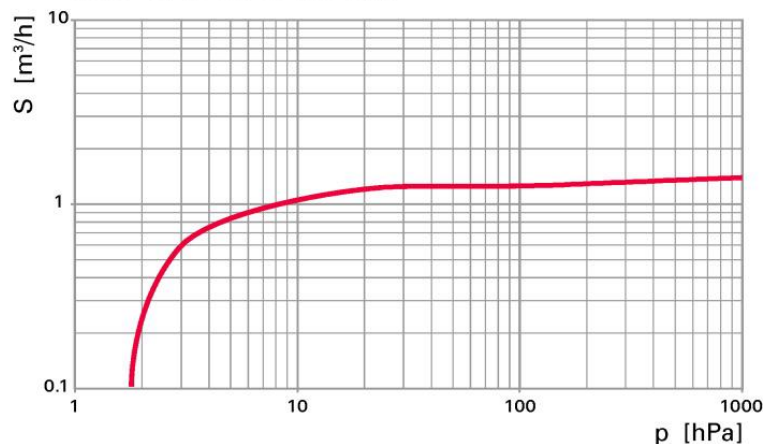
High-performance diaphragm pump with a pumping speed of up to 1.4 m<sup>3</sup>/h

For mains voltage: 100-120 V, 50 Hz

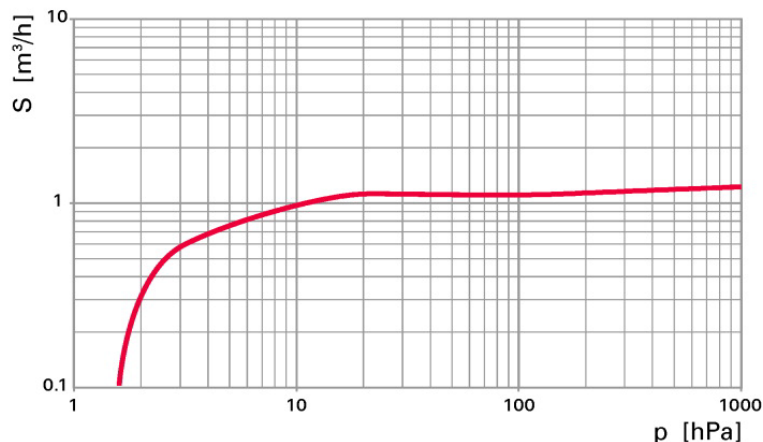
respectively 200-230 V, 60 Hz

Ideal for applications where a dry and oil-free vacuum is required

MVP 020-3 AC (60 Hz)



MVP 020-3 AC (50 Hz)



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## CDS - NP

### SPECIFICATION



Two stage liquid ring vacuum pumps series CDS and NP suitable for deep vacuum applications. CDS is a compact line designed to minimize the floor space requirements by offering short and integrated bearing brackets in combination with the motor supporting lantern option up to 15 kW size mainly dedicated to the OEM market. For capacity higher than 900 m<sup>3</sup>/h, the NP series is available with long bearing brackets in order to offer complete flexibility on the mechanical seal selection to meet any process requirements. On both series it is possible to axially adjust the rotor assembly from outside, thus perfectly centering it inside the pump and achieving best performance and reliability. Standard construction is cast iron with bronze or stainless steel impellers; alternatively, pumps are available completely in stainless steel execution. Special

alloys are available upon request. They are widely used in the process industry and power generation for gas and vapour extraction, evaporation or impregnation. ATEX version available on request. The flexibility of the liquid





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ring technology opens the door to the definition  
of continous new applications

**spirax**  
**sarco**

# Control valves

for general and special service



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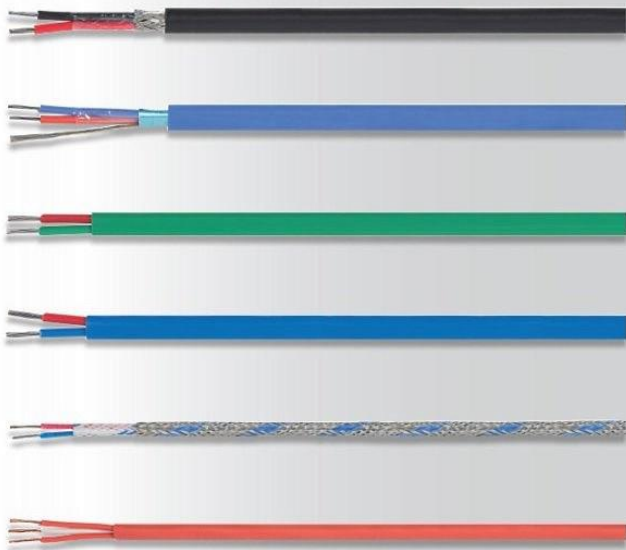
Automation



## THERMOCOUPLE CABLE

## TEFLON CABLE

### Thermoregulation Cables





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**We have different types of heating elements for special applications.**



#### HLP - High performance cartridge heater

Plastics industry, apparatus construction, woodworking industry, paper machine industry, medical technology, foundries, high vacuum technology, laboratory work, packaging industry.

[more](#)



#### RP - High Performance Tubular Heater

In the plastics industry for the heating of nozzles and hotrunner systems. Generally applied where space is restricted.

[more](#)



#### RHK - Tubular Heater

Plastics industry, apparatus construction, woodworking machinery, shoe machine industry, domestic appliances, foundries, high vacuum applications, laboratory work, packaging industry.

[more](#)



#### RKF - Flat Tubular Heater

Air and gas heaters, fluid heaters, oil heaters, dryers, heating element for railway points.

[more](#)



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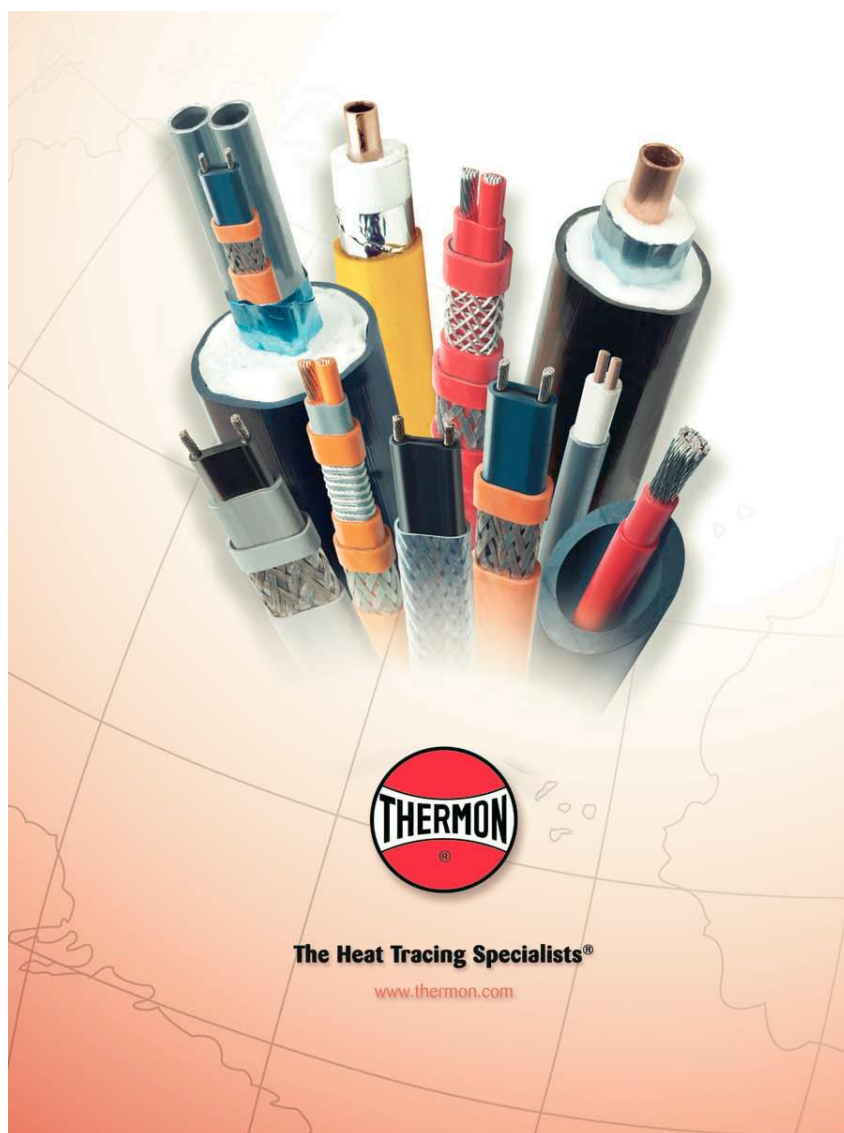
Monitoring



Automation



## HEAT TRACING SYSTEM



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## BAZAR SANAT Reference List

item	Company name	subject		
1	Bojnurd Cement	Supply of thermocouple , Instrument		
2	Sadaf Carbon	Supply of Valves, Instruments		
3	Fan Azmayan Pooya	Supply of Valves and Instrument		
4	Pishgaman Fanandish Tehran	Supply of Valves and Instrument , Crane		
5	Taravosh Jam	Supply of Pump, Valves, Instrument(Pressure,flow,...)		
6	Dehloran Cement	Supply of thermocouple , Instrument		
7	Mavadkaran	Supply of Instrument, Vacuum accessories		
8	Parto	Supply of complete line of Turbine blade spraying,Robot,..		
9	FARAZ Firuzkuh cement	Supply of thermocouple , Instrument		
10	Farab-Nardis Energy	Supply of cable		
11	NeyzarQom Cement	Supply of thermocouple , Instrument		
12	FarsNo Cement	Supply of thermocouple , Instrument		
13	Lamerd Cement	Supply of thermocouple , Instrument		
14	Abyek Cement	Supply of thermocouple , Instrument		
15	Faravardehaye Nafti	Supply of thermocouple , Instrument, Heat Trace cable		
16	Anarak Cement	Supply of thermocouple , Instrument		
17	Khazar Cemen	Supply of thermocouple , Instrument		
18	Khash Cement	Supply of thermocouple , Instrument		
19	Shomal Cement	Supply of thermocouple , Instrument		
20	Ama Elektrod	Supply of thermocouple , Instrument		
21	Shahid Rajaii Power Plant	Supply of thermocouple , Instrument		
22	Banagostar Karaneh	Supply of thermocouple , Instrument, Heat Trace cable, Valves		
23	Tide Water	Supply of thermocouple , Instrument,cable		
24	Daiti (Zarrin Ghazal)	Supply of thermocouple , Instrument		
25	Peyvand Golestan Cement	Supply of thermocouple , Instrument		
26	Asa Engineering Co	Supply of thermocouple , Instrument		
27	Sanjesh Kusha	Supply of thermocouple , Instrument		
28	Lastic Kerman	Supply of thermocouple , Instrument		
29	Kerman Cable	Supply of thermocouple , Instrument		
30	Shafie Naghsh Jahan	Supply of thermocouple , Instrument		
31	Atbin	Supply of thermocouple , Instrument		
32	Iran Enshaab	Supply of thermocouple , Instrument		
33	Tajhizat Sanati Safir	Supply of thermocouple , Instrument		



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34	Gach Omid Senan								
35	Ima Pardaz								
36	Arian								
37	Hararat Sanat Sepahan								
38	Mojtame Petrosхими Bandar Emam								
39	Payvaran Parsian								
40	Kardanan Shargh								
41	RAK Chimi								
42	Hermes Tarrah								
43	Yatraghanhaye Sanaati Panir								
44	Amin Generator								
45	Espidad								
46	Jahandar Rineh								
47	Sanaye Hararati Pars								
48	Hirbodan								
49	Ehdas Payeh								
50	Etehad Gostar Hamyar								
51	Polsar								
52	Shargh Sanat								
52	Siman Neyzar Qom								
53	Siman Fars Now								
54	Siman Faraz FiruzKuh								
55	Siman Abyek								
56	Siman Khash								
57	Siman Tehran								