

The background of the top half of the page is a photograph of a large industrial facility, likely a refinery or chemical plant. It features several tall, silver-colored distillation columns and a complex network of pipes and structural steel. A tall smokestack in the center-right is emitting a thick plume of orange flame or smoke against a clear blue sky. The Siemens logo is positioned in the top left corner of this section.

# SIEMENS

*Ingenuity for life*

Temperature measurement

## Top values in precision and reliability

SITRANS TF320

[www.siemens.co.in](http://www.siemens.co.in)

In field instrumentation, maximum precision and absolutely reliable measurement results are key. Only then can you increase the efficiency of your process plants and improve their product quality. The best example of this is SITRANS TF 320, our latest offering for field mounted temperature sensors.

SITRANS TF320 is a field transmitter that can be used everywhere where temperatures need to be measured and where a user-friendly LCD display is ideal. Available in robust die-cast aluminum or long-lasting stainless steel 316 L, the field transmitter in high protection class IP66/67/68 is particularly suitable for use under harsh environmental conditions, supporting operation and monitoring on-site.

The two independent sensor inputs of the SITRANS TF320 include a 4-wire sensor connection with a hot backup function, which guarantees true reliability. In case of a sensor failure, the transmitter switches seamlessly to the second sensor, the values will continuously be recorded without any data losses.

The service-friendly details make the SITRANS TF320 unique: with help of a millimeter the value of the 4...20mA loop can

be read directly, without interrupting the output signal. Thanks to the HART 7 ability, further diagnostic data can be transferred directly to the maintenance staff or, can be read, alternatively, directly at the display with push buttons, due to the NE107 conform diagnostics alarm.

### Benefits

- High availability during measuring
- High reliability and long-term stability
- Prevention of production downtime due to measuring failures
- Best cost-benefit-ratio for the plant management
- Cost reduction due to predictive maintenance
- High sensor accuracy
- NE107 conform diagnostic alarms
- SIL 2/3 certification
- Extended temperature range up to -50°C



### Product Details

Input	Resistance thermometers, thermocouples, resistors, potentiometers, DC voltage sources
Display with push buttons	Rotatable in 90° steps
Output	4...20mA (SITRANS TF320), HART 7 (SITRANS TF320/420)
Material	Aluminum Stainless steel CF3M/1.4409 similar to 316L (dual chamber enclosure)

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Product upgradation is a continuous process. Hence, data in this leaflet is subject to change without prior notice. For the latest information, please get in touch with our Sales Offices.