

Applications

Often, manufacturing and processing businesses can considerably reduce costs in monitoring critical temperatures by using REATEC strips and points.

REATEC Temperature Indicators serve as:

- Abuse Signals
- Friction Monitors
- Maintenance "Flags"
- Overheating Monitors
- Quality Controllers
- Research Controllers
- Spoilage Indicators
- Warranty Limiters

Just a few of the literally thousands of applications:

- Aircraft Brakes
- Bearing Journals
- Bonding Operations
- Cargo Compartments
- Chemical Processes
- Computer Rooms
- Condensed Milk Processing
- Electric Motors
- Electronic Components
- Engine Parts
- Food Packing
- Food Warehousing
- Heating Systems
- Hydraulic Systems
- Petroleum Refining
- Pharmaceuticals Manufacturing
- Pharmaceuticals Warehousing
- Photographic Film and Chemicals
- Piping Systems
- Plastics Manufacture
- Rubber Processing
- Shipping Containers
- Paper and Paperboard Manufacture
- Pneumatic Tires
- Veneer and Plywood Manufacture

Precision Swiss made

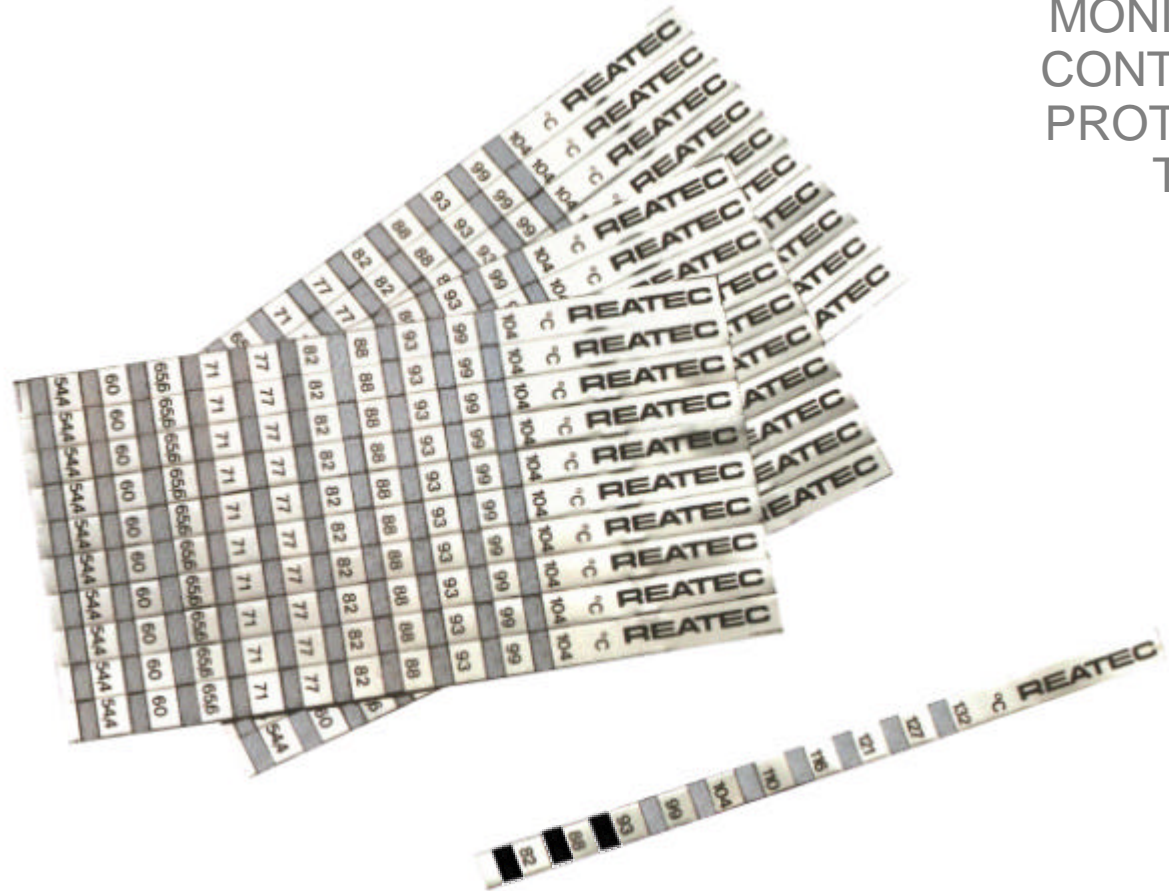
- Indicator formulas accurate to +/- 1%
- Reaction time is about 2 seconds

REATEC TEMPERATURE INDICATORS verify and locate HOT SPOTS in electronic and mechanical equipment. Indicate OVERHEATING in critical areas. Void guarantees and warranties when equipment is used above specified temperature limits.

REATEC^â

Temperature- Indicators

MONITOR
CONTROL
PROTECT
TEST



Protect your product and process

REATEC® Temperature Indicators Offer A Maximum Of Benefits At Minimum Cost

With many manufacturing processes and products it is essential that critical heat levels either are reached or not exceeded. Remaining within these parameters can be significant for manufacturing casts or product quality. This is where REATEC temperature indicator strips or points are applied.

REATEC temperature indicators measure temperatures within the range of 37.8°C and 264°C by means of an irreversible change of colour, from white to black.

Several temperature measurement points are combined on each strip. The combinations cover a range from approx. 60°C, 40°C or 20°C in 10 gradings. This implies that only a rough estimate is required to choose the correct segment. Time-consuming sampling is no longer necessary. Individual measuring points can be supplied.

REATEC temperature indicators are an important alternative to thermometers. At minimum cost they can be used for applications where thermometers fail owing to their size, rigidity, shock sensitivity, cost or for other reasons.

REATEC® Temperature Indicator Standard Strips

with 10 elements are self-adhesive (can be supplied non-adhesive).

The grading increments of the indicators range between 3- 8°C; increments of 2°C can be supplied for part segmentation (see table).

The standard strips have been designed for use under normal, clean and dry conditions which ensure that the indicator points do not get in contact with grease, oils, solvents or moisture. Contact with these substances could lead to a fake colour change.

REATEC® Temperature Indicator Strips P

Are protected against unwanted influences such as moisture and grease. Ranges 1, 1A, 2, 2A and 3 are fully sealed. Ranges 3A, 4 and 4.1 will be fully sealed only if the covering adhesive foil carefully stuck on a clean surface.

Type P indicator strips are less sensitive to compression. They are therefore particularly suitable for applications on presses, calandar cylinders, etc. REATEC Type P is only available with standard increments.

Overview of the measuring ranges that can be supplied (subject to change)

Strips with 10 elements standard increments

No. 1	No. 2	No. 3	No. 4	No. 1A	No. 2A	No. 3A	No. 4.1
77°C	132°C	188°C	254°C	104°C	160°C	216°C	260°C
71	127	182	249	99	154	209	254
65,6	121	177	243	93	149	204	249
60	116	171	232	88	143	199	243
54,4	110	166	224	82	138	193	232
49	104	160	216	77	132	188	224
46	99	154	209	71	127	182	216
43,3	93	149	204	65,6	121	177	209
40,6	88	143	199	60	116	171	204
37,8	82	138	193	54,4	110	166	199

Strips with narrow increments
Not available as P-Type

No. 62	No. 82	No. 102	No. 214	No. 4.2
80°C	100°C	120°C	232 °C	264 °C
78	98	118	227	261
76	96	116	223	255
74	94	114	218	249
72	92	112	214	245
70	90	110		242
68	88	108		235
66	86	106		231
64	84	104		227
62	82	102		224

NEW

REATEC® Temperature Indicator Points

In principle, all temperature points supplied on strips can also be supplied as individual points. In such a case, a distinction has to be made according to their design:



Mini Individual Points 5 x 7 mm

paper backed, adhesive. Available unrestricted for all temperatures listed from 37,8 - 216°C. (224-264°C aluminium) Package size: 500 pieces



Indicator Points, 17 x 17 mm

can be supplied for list temperatures of 37,8°C to 121°C. They correspond to Type P. Package size: 100 pieces



Indicator Points, round

are not supplied in standard design, but may be ordered custom-engineered.

Indicator points are used mainly in applications where a defined maximum temperature is to be shown, e.g. with electronic components, in electrical distributors (transition resistance), etc.

Custom-Designed REATEC Temperature Indicators

Help rationalising costs. For instance, they can be designed as indicator points on a continuous strip for automatic application to prefabricated parts, or they can be supplied in shapes, colours and imprints individually specified. They will always be adapted to requirements.

To discuss ideas of this nature, employees of the manufacturer and the distribution partners will gladly provide advice and assistance.