

Tire temperature probe, insertion type

GRF 200

Introduction

Fast tire temperature checks depend on controlled penetration and a quick reading. This Type K tire probe is designed for tire temperature measurement and other soft plastic media, with an adjustable depth stop that sets the needle from 0 to approx. 14 mm.

The -50 ... +200 °C measuring range covers typical checks on tires and comparable soft materials. Class 1 accuracy supports dependable measurement quality, while a T90 response time of approx. 5 s helps users capture readings without long waiting times during service, testing or inspection tasks.

Handling is kept practical in the field. The plastic handle, bend protection screw connection and spiral cable of approx. 1.2 m extended length support everyday use, while the connection is available with a miniature flat plug or loose ends with wire end ferrules.

Features

Type K sensor element

The probe uses a Type K (NiCr-Ni) sensor element for temperature measurement in tires and soft plastic media.

Adjustable needle depth

The penetration depth can be set from 0 to approx. 14 mm using the integrated depth stop.

Spiral cable

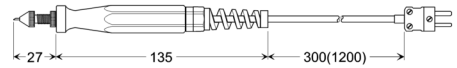
The probe is fitted with a spiral cable with an extended length of approx. 1.2 m.

Handle and strain relief

The construction includes a plastic handle and bend protection screw connection.

Connection versions

The connection is available as a miniature flat plug as standard or with loose ends and wire end ferrules.



Fast readings

T90 response time of approx. 5 s supports quick tire temperature checks.



Controlled penetration

Adjustable depth stop sets the needle from 0 to approx. 14 mm.



Dependable accuracy

Class 1 accuracy supports reliable temperature measurement.



Practical connection

Miniature flat plug or loose ends with wire end ferrules are available.

Technical Specifications

Measurement

Measuring principle	Thermocouples
Temperature sensor	Type K, Class 1
Temperature range	-50...+200 °C
Response time (T90)	Approx. 5 s

Probe

Cable	1.2 m Coiled Cable
Connection	Miniature flat pin plug or loose ends with wire end ferrules
Handle	Plastic, L = 135 mm
Probe length	27 mm

Available product variants

Ordercode	Description	Article No.
GRF200	Miniature flat plug - Tire temperature probe for tires and soft plastic media, with Type K (NiCr-Ni) sensor, -50 ... +200 °C range, class 1 accuracy, adjustable 0 to approx. 14 mm needle depth and approx. 5 s T90 response.	604663
GRF200-LE	Loose ends - Tire temperature probe for tires and soft plastic media, with Type K (NiCr-Ni) sensor, -50 ... +200 °C range, class 1 accuracy, adjustable 0 to approx. 14 mm needle depth and approx. 5 s T90 response.	