

# Thermocouple Probes with Terminal Head ET601



## Description

Push-in thermocouple probes with terminal head are intended for industrial measurement of high temperatures of hot gases and fluids at pressure ~1 bar. The main applications are combustion control, metal, cement, ceramic and glass industries.

Depending on the needs of application, single or double thermocouple of most common type, protection tube of specific size and material, various terminal heads, process connection fillings and outputs can be supplied.

Thermocouple according to EN 60584:  
- types: K (NiCr-Ni), up to +1200 °C - standard version  
N (NiCrSi-NiSi), up to +1300 °C  
S (Pt10Rh-Pt), up to +1600 °C

ET601 series mineral-insulated thermocouples have an advantage of thinner and flexible protection tube, providing faster response and convenient bending to desired shape. Thermocouple is insulated with dense magnesium oxide powder which decreases corrosion of thermocouple wires and extends lifespan.

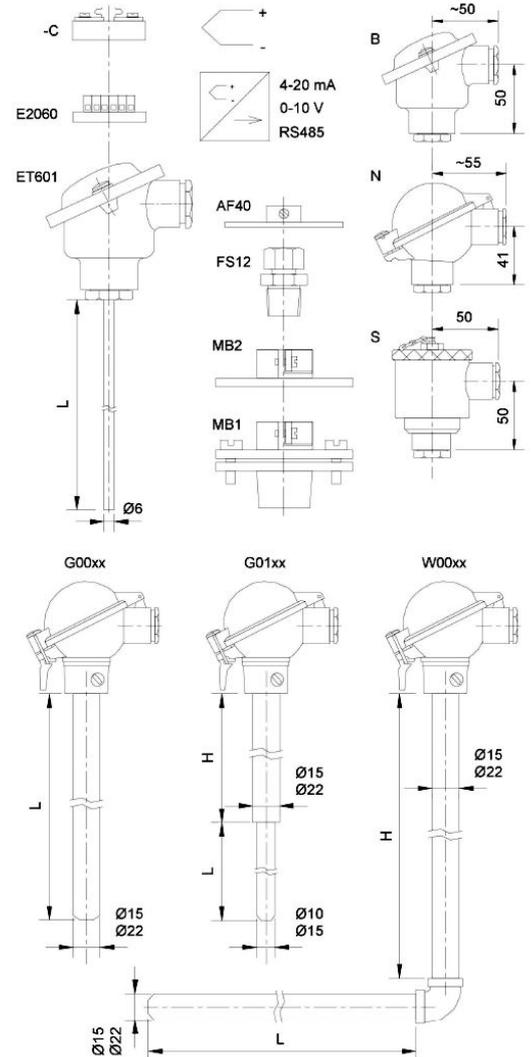
G0xxx series thermocouple probes with straight protection tube, made of heat-resistant steel alloy or ceramics, qualify for extreme conditions. Thermocouple inserts and protection tubes are exchangeable. Special W00xx series angled thermocouples are intended for measuring temperatures of molten metals in foundries.

## Specifications

Protection tube	ET601-K: inconel 600 (<1150°C), 06 mm, L = 300...2000 mm ET601-N: Pyrosil C (<1250°C), 06 mm, L = 300...2000 mm
Terminal head	Types: B: standard, DIN 43729, aluminium N: spherical, hinged cover.DIN 43729, aluminium S: for aggressive environment, DIN 43729, stainless steel
Output	Ceramic terminal block (-C) E2060 series transmitters mountable into terminal heads (see: sheet 1.51) - to provide 4-20 mA analog output or digital RS485 Modbus RTU interface
Protection tube	G/W00xx: 1.4762/1.4841 steel (<1150°C), 015/22, L300..1500 mm G01xx: ceramic 610 (<1200 °C) or 710 (<1600 °C), 010/15, L100...150 mm, 1.4541 steel supporting tube 015/022 mm
Accessories	flanges AFxx ja MB2, weldable fillings MB1 compression fittings with outer thread FSxx

## Features

- For measuring temperatures from -200 to +1600 °C
- K, J, N, Sor B type thermocouple
- Mineral insulated or thick-wall protection tube made of heat-resistant alloy or ceramics
- Variety of terminal heads and connection fittings
- Head-mountable transmitters available - to provide 0-10 V / 4-20 mA or RS485 Modbus RTU communication





Authorized Distributor  
APL ASIA CO., LTD.  
11/129-132 Moo.5 Lamukka Rd.,T.Kookut, A.Lamukka, Pathumthani 12130 Thailand.  
TEL: 0-2995-4461-3, FAX: 0-2995-4464  
www.apl-asia.com  
EMAIL: sales@apl-asia.com  
LINE@ : @APL-ASIA