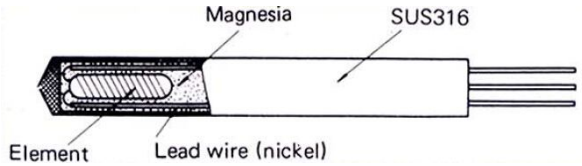
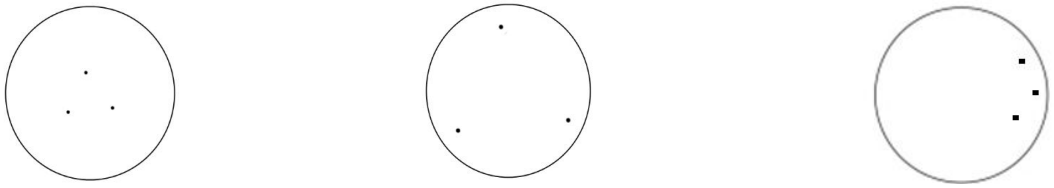
MICC RTD sensor

(1) Construction

The Hard Coil features a sheath lead tightly packed with magnesium.A hole just big enough to hold the element is drilled in the end of the sheath lead and the element is inserted.The space around the element is then packed with more magnesium,and the end of the lead is sealed over.



Core location



(2) Features

Shock and vibration-proof: The Hard Coil type features outstanding resistance to shock and vibration on account of its one-piece constructon.No welding is employed at all.

High temperature resistance: Hard Coil D [made to meet DIN] can be used at temperatures as high as 800℃ and Hard Coil C [made to meet JIS （Japanese Industrial Standards）] at a maximum of 600℃。

Small diameter： A Hard Coil with sheath O.D.as small as 3.2 mm is available.

Flexibility：The Hard Coil,being insulated by magnesium,can be bent as desired to curves with a minimum bending radius equivalent to there times that of the sheath O.D.(Please note,however,that the lead should not be bent within 100 mm of the tip.)

(3) Standard Types

Each type is available in single element and double element types.

The single element type is available sheath outer diameters of 2, 3, 3.2, 4.8, 6.4 and 8.0 mm.

The double element type is available with sheath outer diameters of 2, 3, 3.2, 4.8, 6.4 and 8.0 mm.

The terminals used with Type R-96 are K1 for single element types and K2 for double element types.If K2 is to be used for a single element type,please specify.

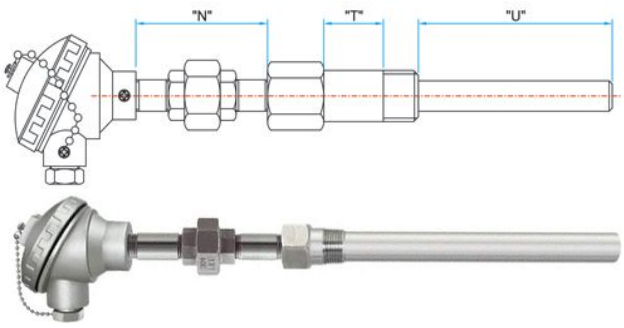
1. PT100 RTD with Protection Well

Complete set consisting of head, nipple with or without union and with thermowell flanged or threaded, with the exception of the TRP14 model that can be used for replacement.

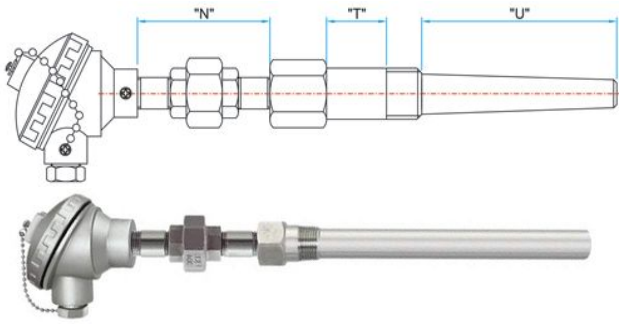
The assembly with thermowell protects the sensor from its environment and facilitates the removal and replacement of the sensor.

The RTD is available with analog temperature transmitter, microprocessed with or without communication and protocols (for more information, see our sales department).

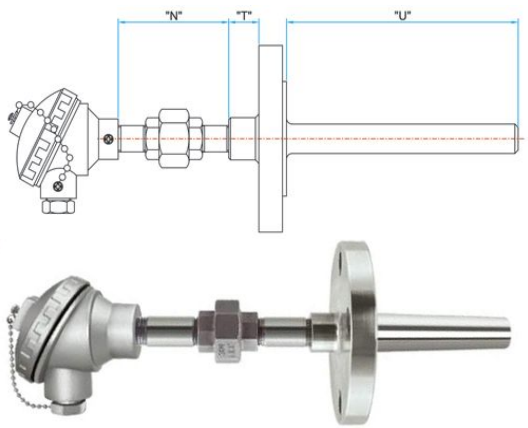
RTD-PW-001



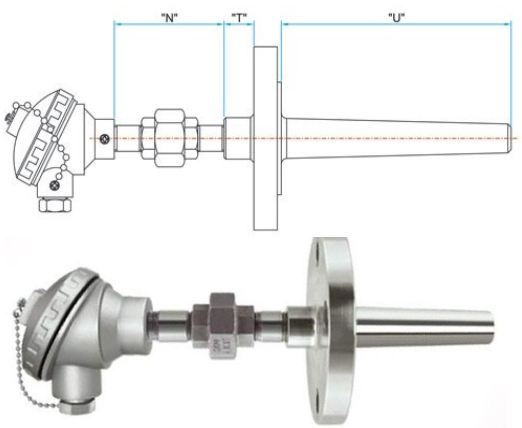
RTD-PW-002



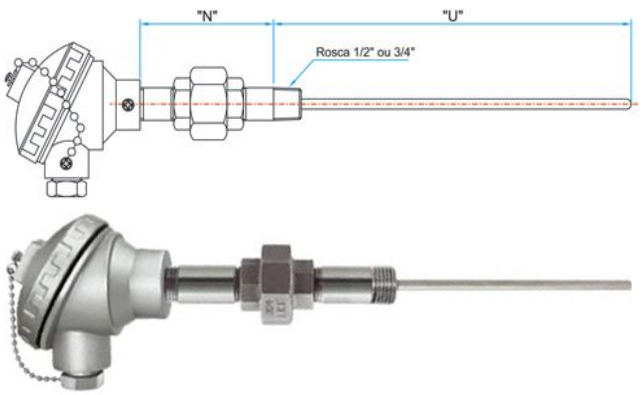
RTD-PW-003



RTD-PW-004



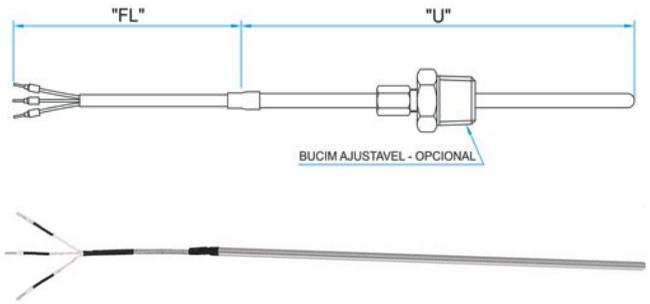
RTD-PW-005



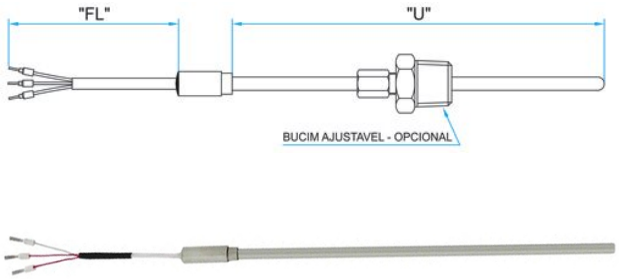
2. RTD sensor

The RTDs in this series are designed for temperature measurement of a wide variety of applications in industrial and laboratory processes.

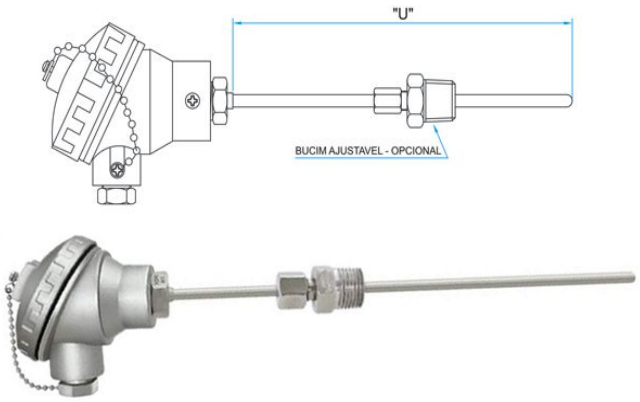
RTD-S-006



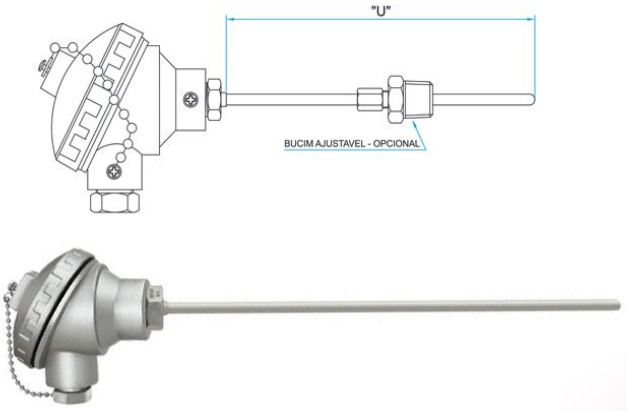
RTD-S-007



RTD-S-008



RTD-S-009



RTD-S-010

