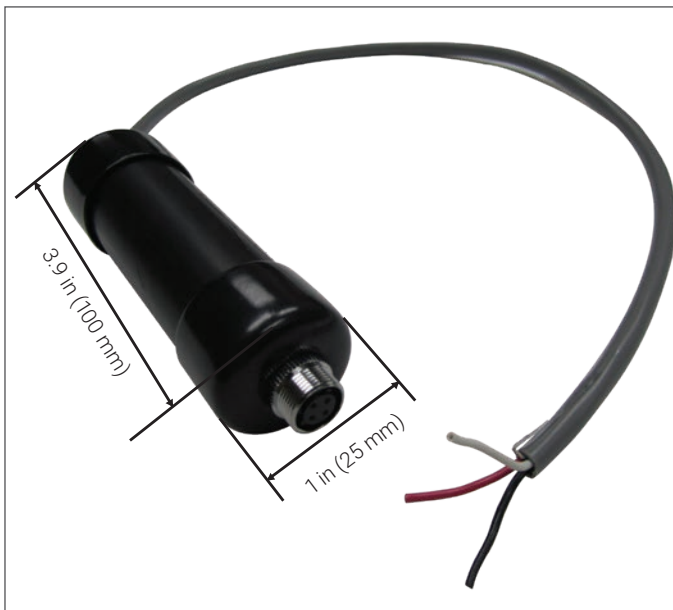


## TraceTek analog current transducer

### PRODUCT OVERVIEW



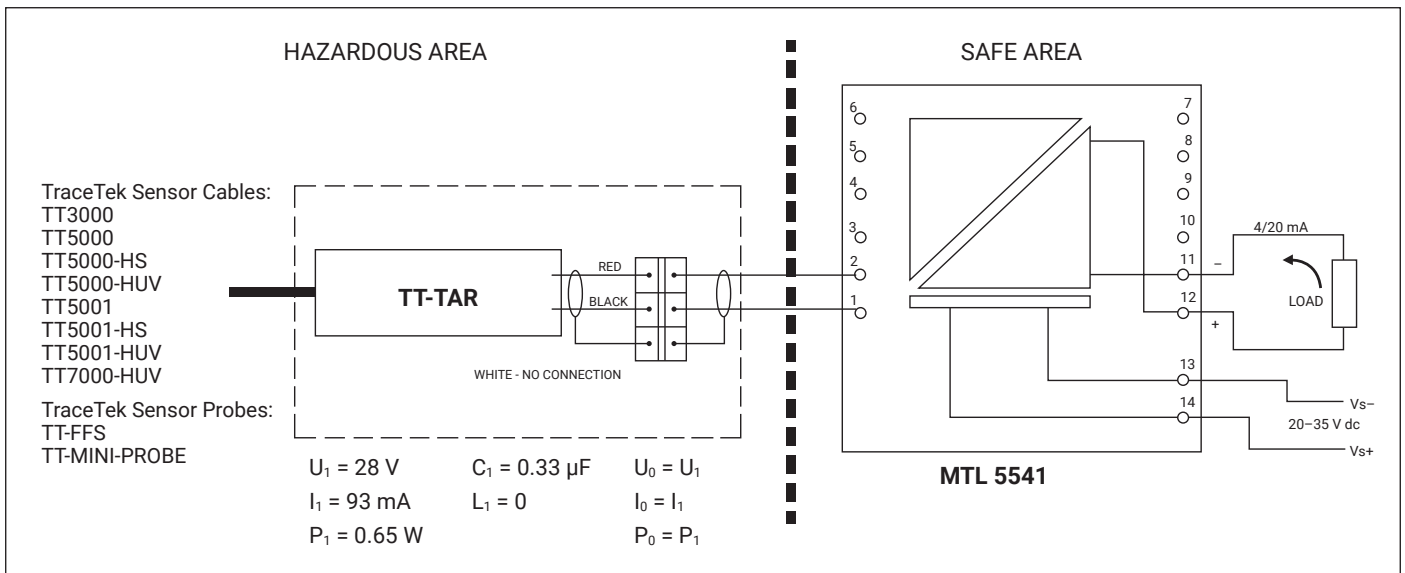
nVent RAYCHEM TraceTek TT-TAR is a 2-wire, 4–20 mA current transducer for TraceTek sensor cable or TraceTek sensor probes. Virtually any of the TraceTek family of sensor cables and probes may be connected to the transducer. The TT-TAR is loop powered and no external source of power is required. For hazardous area installations, the TT-TAR is powered via an MTL5541 Repeater Power Supply (Galvanic Isolator). The amount of current that flows in the current loop between the MTL5541 and the TT-TAR is dependent on the condition/status of the sensor cable or sensor probes connected to the TT-TAR.

- 0 mA = Wire break between MTL5541 and TT-TAR
- 4 mA = Sensor cable/probe disconnected from TT-TAR or Sensor cable/probe damage
- 6–9 mA = Sensor cable/probe NORMAL
- >18 mA = LEAK detected

TT-TAR does not indicate leak location. TT-TAR is designed to monitor point probes and limited amounts of sensor cable.

#### Key Points

- 2-wire, loop powered, 4–20 mA current transducer for TraceTek sensor cable and probes
- Approved for hazardous areas when energized via an MTL5541 Repeater Power Supply (Galvanic Isolator)
- Magnitude of current indicates sensor cable/probe status: NORMAL, LEAK DETECTED, CABLE BREAK



## PRODUCT DATA AND RESTRICTIONS

Dimensions	Length 100 mm (3.9 in) x 25 mm (1.0 in) diameter
Weight	Approximately 80 gm (0.18 lb)
Sensor Connector	TraceTek MC series-female
Current Loop Wire	1 m (39 in) 3 conductor, 22 AWG (red, black, white*) *Note: white wire is not used for TT-TAR
Operating Temperature Range	-40°C to 60°C (-40°F to 140°F)
Maximum Sensor Cable Length	250 m (820 ft)
Maximum Number of TT-MINI-PROBES (Use TT-MBC-MC-BLK to connect more than one probe)	10
Maximum Number of TT-FFS Fast Fuel Probes (Use TT-MBC-MC-BLK to connect more than one probe)	4

## APPROVALS

TT-TAR Unit	TT-TAR SYSTEM
Baseefa11ATEX0276X	Baseefa11Y0277
BAS21UKEX0510X	IECEx BAS 11.0142
IECEx BAS 11.041X	Ex ia IIA T4
Ex II1G Ex ia IIA T4 Ga (-40°C ≤ ta ≤ 60°C)	



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