

BROCHURE

MMTS

Dynamic Ratings

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Magnetic Mount Temperature Sensor

Accurate Measurements

Design Advantages

The Magnetic Mount Temperature Sensor (MMTS) provides an easy method for measuring transformer top oil, bottom oil or load tap changer tank temperatures. MMTS devices are designed to be highly accurate and reliable. They provide a variety of sensor outputs and termination options to accommodate standard industry installation and use requirements. Accuracy is delivered by design with an RTD sensor contact point that is the only thermally conductive part in contact with a transformer or tap changer tank. This feature removes any temperature influences of a tank surface event at extreme temperatures.

MMTS housings are manufactured using a high temperature, UV stable material. High temperature rated magnets are fully enclosed within the housing. No thermal losses occur near the measurement point yet the combined rated magnetic force of over 34 kg/ 75 lbs ensures no sensor movement, leading to consistent measurement at the desired tank location.



Applications

- Tap Changer Tank
- Power Transformers

Benefits

- MMTS devices are designed for the highest accuracy using an RTD sensor contact point.
- The MMTS devices are versatile and available with either a PT-100 RTD or a 4-20mA output signal.
- MMTS devices are easy to install. Magnets facilitate immediate and reliable installation without the need for adhesive materials.
- MMTS devices are durable and built to last.

Product Specifications

Temperature Sensing Range:	-50° to 150°C / -58°F to 302°F
Max Continuous Operating Temp:	150°C / 302°F
Sensor Element Accuracy:	Class A = 0.06%
4-20mA Scaled Output Range:	-50°C / -58°F = 4mA 150°C / 302°F = 20mA

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How to Order

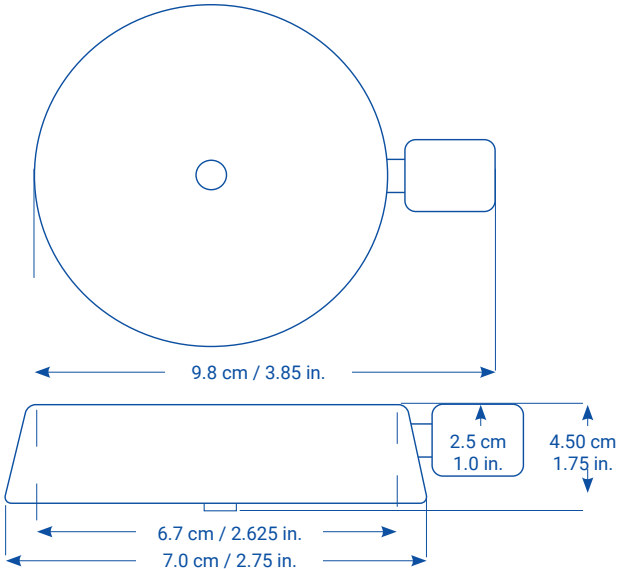
Part Number	Sensor Output	Wire Termination Method
MMTS-3C	3 Wire PT-100 RTD	Includes a 1/2" NPT conduit connection
MMTS-3W25	3 Wire PT-100 RTD	Stainless steel armored cable with 22 AWG flying leads connection (7.5 m / 25 ft)
MMTS-3W50	3 Wire PT-100 RTD	Stainless steel armored cable with 22 AWG flying leads connection (15 m / 50 ft)
MMTS-3W75	3 Wire PT-100 RTD	Stainless steel armored cable with 22 AWG flying leads connection (22 m / 75 ft)
MMTS-4C	4-20 mA output	Includes a 1/2" NPT conduit connection
MMTS-4W25	4-20 mA output	Stainless steel armored cable with 22 AWG flying leads connection (7.5 m / 25 ft)
MMTS-4W50	4-20 mA output	Stainless steel armored cable with 22 AWG flying leads connection (15 m / 50 ft)
MMTS-4W75	4-20 mA output	Stainless steel armored cable with 22 AWG flying leads connection (22 m / 75 ft)



Option C features one 1/2" NPT (National Pipe Thread) conduit fitting.



Option W features 7.6 m / 25 ft of SJT weather resistant, stainless steel armored cable with flying leads.



The Conduit is not included. Consult the factory for cable lengths greater than 22 m / 75 ft.

Follow all cable manufacturers bending radii recommendations.



An ISO 9001, ISO 14001, ISO 27001, ISO 45001 Certified Company.

Americas
+1 262 746-1230
sales.us@dynamicratings.com

Asia Pacific
+61 3 8544-0700
sales.asia@dynamicratings.com

Europe/ Africa
+44 1617 681111
sales.eu@dynamicratings.com

www.dynamicratings.com

Request a quote from your regional office.

