



File
LR1427

CERTIFICATE OF COMPLIANCE
 (ISO TYPE 3 CERTIFICATION SYSTEM)

Issued to	Daily Thermetrics Corporation	
Address	9600 W Gulf Bank Rd, Houston, TX 77040 USA	
Project Number	LR1427-4R1	
Product	Temperature Sensors (RTD & TC)	
Model Number	CT221, 210-TC, 210-RTD, 220-TC, 220-RTD, Model 210HZ and Model 220HZ	
Electrical Ratings	See Annex A	
Markings	Ex ia IIC T6...T1 Ga Class I, Zone 0, AEx ia IIC T6...T1 Ga I S Class I, Div 1, Groups ABCD T6/T5/T4/T3/T2/T1 See Annex A for Tcode details	
Applicable Standards	CSA C22.2 No. 60079-0:19 CSA C22.2 No. 60079-11:14	UL 60079-0 7th ed. UL 60079-11 6th ed.
Factory/Manufacturing Location	Daily Thermetrics Corporation 9600 W Gulf Bank Rd, Houston, TX 77040 USA	
Conditions of Certification	See Annex A	

Statement of Compliance: The product(s)/equipment identified in this Certificate and described in the Certification Report covered under the above referenced project number have been investigated and found to be in compliance with the relevant requirements of the above referenced standard(s). As such, they are eligible to bear the QPS Certification Mark shown below, in accordance with the provisions of QPS's Service Agreement.

IMPORTANT NOTE: In order to maintain the integrity of the QPS Mark(s), certification will be revoked if:
 (1) Compliance to the above-mentioned Standard(s), or those identified in future QPS Standard Update Notice – SUN (QSD 55) is not maintained, or,
 (2) If the product/equipment is modified after certification is granted without prior written consent by QPS



Issued By: Dave Adams, P. Eng.

Signature:

Date: September 5, 2024





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Annex A

Electrical Ratings:

Parameter	RTD Value	TC Value
Ui/Vmax (V)	30	30
Ii/Imax (mA)	101	101
Pi/Pmax (mW)	750	750
Ci (pF/m)	127.5	85.8
Li (μH/m)	1.75	4.05

NOTE: "Ci" and "Li" correspond to the capacitance and inductance per meter for each individual circuit.

Conditions of Certification:

- Models 210-TC and 220-TC with ground referenced (grounded) devices are not capable of withstanding the 500 Vrms between the measurement circuit and ground. This must be considered during installation, according to NEC and CEC
- The installer must confirm suitability of the sheath material against the material properties of the process to prevent damage by chemical reaction.
- The installer must confirm (by calculation or measuring) that the process service temperatures do not cause a temperature rise on the equipment in the hazardous area exceeding the values revealed in the table below.

Temperature code	Process temperature (°C)
T6	≤80
T5	≤95
T4	≤130
T3	≤195
T2	≤290
T1	≤440



The SCC and IAS Accreditation Symbols are official symbols of the respective accreditation bodies, used under license.

81 Kelfield St., Unit 8, Toronto, ON M9W 5A3 Tel: 416-241-8857; Fax: 416-241-0682

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