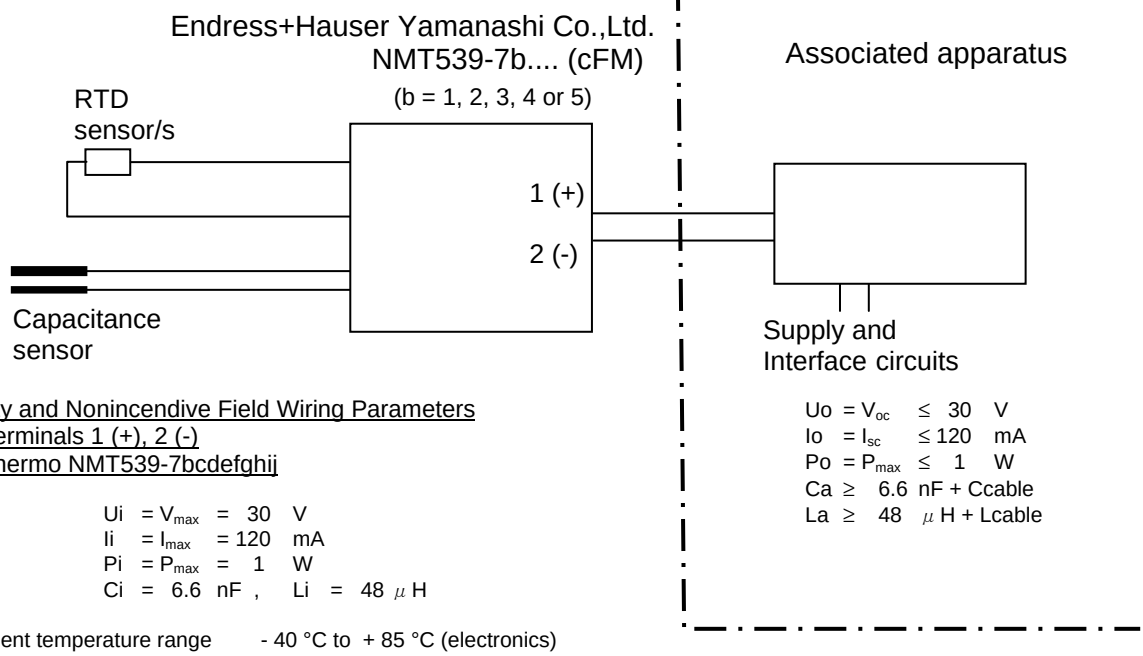
For use in Canada

Hazardous (Classified) Location

IS (Entity) Class I, Division 1, Groups C, D
or Class I, Zone 0, Ex ia IIB T2..T6/T3..T6 Ga

Nonhazardous Location



Entity and Nonincendive Field Wiring Parameters
for terminals 1 (+), 2 (-)
prothermo NMT539-7bcdefghij

$Ui = V_{max} = 30$ V
$Ii = I_{max} = 120$ mA
$Pi = P_{max} = 1$ W
$Ci = 6.6$ nF , $Li = 48$ μH

$Uo = V_{oc} \leq 30$ V
$Io = I_{sc} \leq 120$ mA
$Po = P_{max} \leq 1$ W
$Ca \geq 6.6$ nF + Ccable
$La \geq 48$ μH + Lcable

Ambient temperature range - 40 °C to + 85 °C (electronics)

The relation between the ambient temperature, the process temperature and the temperature class is shown in the following table:

Temperature class	Ambient temperature	Process temperature (sensor)	
		Temperature measurement only	Temperature measurement and water level or water level only
T6	≤ 60 °C	≤ 60 °C	≤ 60 °C
T4	≤ 85 °C	≤ 100 °C	≤ 100 °C
T3	≤ 85 °C	≤ 175 °C	≤ 125 °C
T2	≤ 85 °C	≤ 235 °C	---

Notes
1. The nonintrinsically safe terminals (supply and interface circuit) must not be connected to any device that uses or generates more than 250 V rms or dc unless it has been determined that the voltage has been adequately isolated.
2. The installation must be in accordance with the Canadian Electrical Code CAN/CSA C22.1
3. Entity approved associated apparatus necessary. Used in a configuration where associated apparatus Uo does not exceed Ui of the prothermo NMT539-7... and associated apparatus Io does not exceed Ii of the prothermo NMT539-7... Ci of the prothermo NMT539-7... plus capacitance of interconnecting wiring may not exceed associated apparatus Co. Li of the prothermo NMT539-7... plus inductance of interconnecting wiring may not exceed associated apparatus Lo.
4. For use in Class I, Division 2 location, rigid metal conduit is required if not installed in accordance with the nonincendive field wiring principles outlined with the Canadian Electrical Code CAN/CSA C22.1

Warning:
1. Substitution of components may impair intrinsic safety. For installation, maintenance or operation instructions see Instruction Manual.
2. Don't modify parts and circuits of this instrument.
3. Avoid electrostatic charge at the capacitance sensor.

REV	DATE	CONTENTS	REVISED	APPROVED	SCALE	ESTABLISH DATE
3	25 Jan. 17	"-80..." to -70...(cFM)	H.Mizokuni			
2	01 Jan. 08	Company name change	H.Mizokuni			APPROVED / CHECK / DESIGN
1	04 Sep 07	Change Ci value 5.3 to 7.9	H.Mizokuni		PAGE	22 Mar. 2004

Endress+Hauser
Endress+Hauser Yamanashi Co.,Ltd.

TITLE: Control drawing for NMT539-7.... (cFM) (Temp., WB, Temp.+WB version)

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