



RETRACTABLE MELT THERMOCOUPLES

TYPE J OR RTD MODELS

SPECIFICATIONS

Thermocouple: 22 Ga. "J" calibration with MgO insulation and 1/8" O.D. 304SS sheath standard.

RTD Model: 2 wire .00385 curve, platinum sensor 100 OHMS @ 0°C, ceramic insulation and 1/8" O.D. sheath standard.

Probe: Exposed Junction
(also available as grounded or ungrounded designs)

Maximum Temperature Rating: 900°F

Body: Stainless Steel with 1/2"-20 UNF x 1-3/4" thread on 3", 5", or 7" standard body length; 3/8" wrench flats.

Immersion Range: 1/8" - 1"

Pressure Rating: 15,000 psi

Reference End Termination: Polarized male Plug rated at 475°F

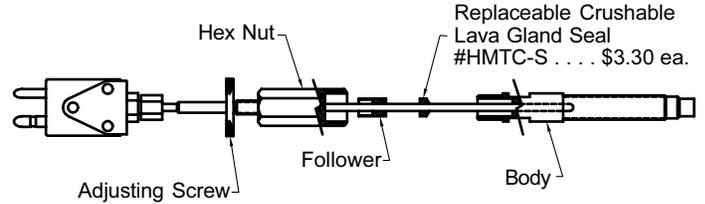
Adjusting Mechanism: Adjusting Screw with positive stop to prevent accidental disengagement under full pressure operation. Lava gland and follower for pressure seal inside standard or graduated hex nut.

DEPTH ADJUSTMENT

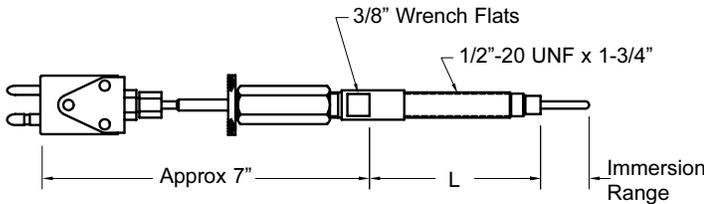
The position of the measuring junction is controlled by adjusting the setting of the knurled adjusting screw. Turning the screw clockwise increases the immersion of the probe. The probe should be brought back to minimum immersion before melt cool-down.

Do not force the adjusting screw when resistance is felt. The adjusting screw has a positive stop to prevent accidental removal from the hex nut.

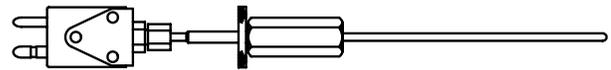
STANDARD RETRACTABLE MELT ASSEMBLY (RM-4222-03, 05 or 07)



DIMENSIONAL ASSEMBLY



REPLACEMENT ELEMENT (RE-4222-03, 05 or 07)

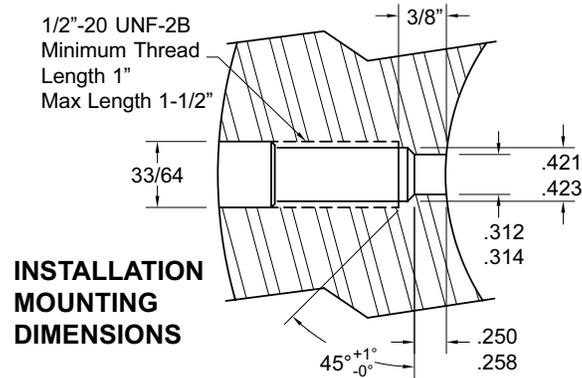


MODEL	L DIM.	IMMERSION RANGE	DESCRIPTION	COMP. ASSY PRICE	REPLACEMENT ELEMENT ONLY MODEL NO.	PRICE	STEEL BLANK BOLT TO PLUG HOLE	PRICE
RM-4222-03	3"	1/8" to 1"	TYPE J, IRON/CONSTANTAN 1/8" DIA.	\$103.70	RE-4222-03	\$79.40	RM4222B3	\$9.50
RM-4222-05	5"	1/8" to 1"	TYPE J, IRON/CONSTANTAN 1/8" DIA.	\$122.85	RE-4222-05	\$86.65	RM4222B5	\$12.75
RM-4222-07	7"	1/8" to 1"	TYPE J, IRON/CONSTANTAN 1/8" DIA.	\$142.25	RE-4222-07	\$110.70	RM4222B7	\$16.00
RTD-4222-03	3"	1/8" to 1"	RTD, PLATINUM SENSOR 1/8" DIA.	\$163.65	RTD-RE03	\$129.45	RM4222B3	\$9.50
RTD-4222-05	5"	1/8" to 1"	RTD, PLATINUM SENSOR 1/8" DIA.	\$179.75	RTD-RE05	\$148.25	RM4222B5	\$12.75
RTD-4222-07	7"	1/8" to 1"	RTD, PLATINUM SENSOR 1/8" DIA.	\$196.50	RTD-RE07	\$168.10	RM4222B7	\$16.00

FOR POLARIZED EXTENSIONS SEE PREVIOUS PAGES

INSTALLATION INSTRUCTIONS

1. For operation under pressure, the hex nut must be tightened on the body at least hand tight to crush lava gland.
2. To insert or remove body, use 3/8" wrench flats - **DO NOT** use hex nut or polarized plug
3. To replace thermocouple probe, turn hex nut counter-clockwise and disengage from body. Remove probe from body. Install new lava gland packed with replacement element. Insert new probe and tighten hex nut on body to crush lava gland. (See standard assembly drawing).
4. **CAUTION:** The hex nut is part of the probe assembly. **DO NOT** attempt to remove the hex nut from the adjusting screw.



INSTALLATION MOUNTING DIMENSIONS



PLASTIC PROCESS EQUIPMENT, INC.

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