Precision-Interchangeable Series THERMISTORS and Thermistor Probe Assemblies



To Order (Specify Model Number) Resistance **Dimensions and Description and** Model (ohms) Typical Application Number @ 25°Ć Materials Vinyl Tip with Shielded-Jacketed ON-901-44004 2,252 Microphone Cable. 10 ±2 WHITE VINYL COAT 305 ±25 Biological: Ideal for animal and biological $(3/8 \pm 1/16)$ (12 ± 1) applications in esophageal or rectal temperature ON-901-44005 3,000 6 ±1 (1/4 ±1/32) 1 20.6 measurement. It is also suitable for use in geographic and oceanographic applications. Design (3/16) DIA MAX 1 ON-901-44007 5,000 characteristics present an extremely rugged sensor 1 8 assembly at a minimum cost. (5/16) Leads: 300 mm MAX ON-901-44006 10,000 Maximum temperature: 100°C Body Type ON-901 £29.50 ON-901-44008 30,000 **ON-901** mm (in) All prices include sensor **Epoxy Encapsulated Thermistor Sensor in** ON-909-44004 2,252 Stainless Steel Housing with VinvI Insulated Leads 305 ±25 (12 ±1) Surface temperature readings: For control and ON-909-44005 3,000 indication. Ideally suited for applications such as: heat 6 + 1 10 + .4VINYL INSULATED CABLE (1/4 ±1/32) loss or compressor efficiency measurement and control (3/8 ±.016) THERMISTOR SENSOR & EPOXY ENCAPSULATED CONNECTIONS studies of piping systems; determining manifold wall ON-909-44007 5,000 and bearing surface temperatures. Construction facilitates easy attachment to flat surfaces. 1.6 (1/16) + Leads: 300 mm ON-909-44006 10,000 Maximum temperature: 100°C 1/8) NOM. STAINLESS STEEL Body Type ON-909 £39.50 ON-909-44008 30,000 **ON-909** All prices include sensor mm (in) **Exposed Epoxy Coated Thermistor Sensor** ON-905-44004 8±.4 (5/8±1/64) 10 + 216 ±.4 (305 ±25) (12 ±1) (3/8 ±1/16) 2,252 (5/8 ±1/64) mounted in Open-End Stainless Steel Housing ON-906-44004 6 ±1 (1/4 ±1/32) with Vinyl Shielded Jacketed Microphone Cable. 6 ±1 ON-906 has Economical Plastic Housing. ON-905-44005 (1/4 ±1/32) 13 ±.08 (1/2 ±.003) DIA 3,000 Æ 38 Air temperature measurement, control and indication: 27777 ON-906-44005 design characteristics offer a perfect sensor assembly VINYL SHIELDED-JACKETED MICROPHONE CABLE for monitoring gas streams. Ideal for temperature ON-905-44007 5,000 EPOXY measurement and control of remote air readings. ON-906-44007 COATED THERMISTOR Leads:300 mm STAINI ESS STEEL HOUSING 5.6 (0.220) ON-905-44006 SENSOR Maximum temperature: 100°C 10,000 6 11 x 5 (7/16 x 3/16) SLOTS EQUALLY SPACED ON-906-44006 Body Type ON-906 [£]41 Body Type ON-905 £45 ON-905-44008 30,000 mm (in) ON-905, ON-906 ON-906-44008 All prices include sensor **Closed-End Stainless Steel Tube with Thermistor** 9 ± 2 14 + 2ON-910-44004 2,252 $(4^{1/2} \pm 1^{1/16})$ Sensor Mounted in Tip. %" NPT Fitting with Vinyl $(3/8 \pm 1/16)$ 305 ±25 (7/16)HEX Shielded-Jacketed Microphone Cable. (12 ±1) Liquid immersion sensor assembly: rugged ON-910-44005 3,000 6 ±1 (1/4 ±1/32) POTTING COMPOUND design and closed end construction. Ideally suited for temperature measurement, control and 38 ON-910-44007 5,000 indication in fluids. Also for use in a wide variety of VINYL SHIELDED-JACKETED MICROPHONE CABLE pressurised systems applications. Leads: 300 mm 1/8" NPT ON-910-44006 10,000 STAINLESS STEEL FITTING Maximum temperature: 100°C Body Type ON-910 £45 ON-910-44008 30,000 mm (in) All prices include sensor **ON-910 Closed-End Stainless Steel Tube with Thermistor** ON-920-44004 2,252 8 ±1 Sensor Mounted in Tip. ¹/₈" NPT Fitting with Vinyl (5/16±1/32) 19 ±1 Shielded-Jacketed Cable. 25 ±1 19 ±1 (1 ±1/16) (3/4 ±1/32) (7/₁₆)HEX (¹³/₁₆) (1¹/₈ ±¹/₈) STAINLESS STEEL WIRE Biological: tubular autoclavable immersion sensor ON-920-44005 3,000 assembly with detachable mating connector. Used in temperature measurement and control of animal ON-920-44007 5,000 9.5±2 (3/8±1/16) 1/8" NPT -/ STAINLESS STEEL FITTING apparatus. Also for use in closed vessels with pressurised systems where detachable leads are 4 (5/32) desirable. 4 (%32) DIA, STAINLESS STEEL CLOSED END TUBE, THERMISTOR TEMPERATURE SENSOR MOUNTED IN TIP ON-920-44006 10,000 Leads:300 mm Maximum temperature: 100°C ON-920-44008 30,000 Body Type ON-920 [£]68 **ON-920** mm (in) All prices include sensor

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NOTE: OMEGA's Precision Interchangeable Probes are normally constructed with $\pm 0.2^{\circ}$ C Interchangeable Thermistors. These are Types 44004, 44005, 44007, 44006 and 44008. If assemblies are required with $\pm 0.1^{\circ}$ C Interchangeable Probes, change the portion of the model number designation to reflect

the $\pm 0.1^{\circ}$ C Thermistor. Example: ON-901-44004 becomes ON-901-44033. Add £9.00 to the designated Model price for $\pm 0.1^{\circ}$ C Interchangeable Thermistors. Thermistors with $\pm 0.1^{\circ}$ C Interchangeability are Types 44033, 44030, 44034, 44031 and 44032

To Order (Specify Model Number)			
Dimensions and Materials	Description and Typical Application	Model Number	Resistance (ohms) @ 25°C
temperature measurement and control applications. temperature measurement and control applications. represents a low cost, fast response unit and lends itself to easy mounting on flat surfaces. Leads:300 mm Maximum temperature: 100°C	ON-930-44004	2,252	
	Surface sensor assembly: designed for a variety of temperature measurement and control applications. It represents a low cost, fast response unit and lends itself to easy mounting on flat surfaces. Leads:300 mm	ON-930-44005	3,000
		ON-930-44007	5,000
		ON-930-44006	10,000
ON-930 mm (in)		ON-930-44008	30,000
6 ±1 (¹ / ₄ ± ¹ / ₃₂) (¹ / ₄ ± ¹ / ₃₂) (¹ / ₂ ±1) (¹ / ₂ ±1) (¹ / ₂ ±1) (¹ / ₂) (¹ / ₂ ±1) (¹ / ₂) (¹ /	Housing with Teflon [®] Insulated Leads. Insertion sensor assembly: specifically designed for high reliability, high volume, and low cost applications where fast time response and small size are determining factors. The unit is easily	ON-940-44004	2,252
		ON-940-44005	3,000
		ON-940-44007	5,000
	ON-940-44006	10,000	
ON-940 THERMISTOR mm (in)	Body Type ON-940 [£] 34.50 All prices include sensor	ON-940-44008	30,000
305 ± 25 6 4.3 ± 25 (12 ±1) (1/4) 1/10 ±0.10) INSULATED (1/4) 1.1 6 ±1 STAINLESS 5 ± 45° .020 × 45° CHAMFER mm (in)	Stainless Steel Housing with ¼" Hex. Head and #8-32 NC-2A Threaded Body. Thermistor Sensor Epoxy Encapsulated in Housing with Teflon® Insulated Leads. Surface sensor assembly: for temperature measurement and control where design problems require stability against vibration and shock. The unit has been designed for temperature control and measurement problems where low cost and reliability are crucial. Leads:300 mm Maximum temperature: 100°C Body Type ON-950 [£] 35.50 All prices include sensor	ON-950-44004	2,252
		ON-950-44005	3,000
		ON-950-44007	5,000
		ON-950-44006	10,000
		ON-950-44008	30,000
3.2 $(1^{1}/2 \pm 1^{1}/16) \rightarrow (1^{1}/2 \pm 1)$ 3.2 $(1^{1}/2 \pm 1^{1}/16) \rightarrow (1^{1}/2 \pm 1)$ $(1^{$	Closed-End Stainless Steel Tube with Thermistor Sensor Mounted in Tip. Stainless Steel Mounting Plate with (2) Two Mounting Holes Welded to Tube. Teflon® Insulated Leads. Air flow sensor assembly: designed to satisfy the many requirements of air temperature-measurement and control in Air Conditioning systems and equipment cooling systems. The unit lends itself to easy mounting to standard metal ducting. Leads:300 mm Maximum temperature: 100°C Body Type ON-960 [£] 36 All prices include sensor	ON-960-44004	2,252
		ON-960-44005	3,000
		ON-960-44007	5,000
		ON-960-44006	10,000
ON-960 mm (in)		ON-960-44008	30,000
305 ±25 (12 ±1) → (9/16) → (127 (5) → 7/16 → 7/16 (3/16) → (1/8 - 7/16) → (1/8 -	Stainless Steel Housing with %•" Hex. Head and %#27 NPT Threaded Body. Thermistor Sensor Epoxy Encapsulated in Housing with Teflon® Insulated Leads. Liquid immersion fluid sensor assembly: ideal for obtaining temperature measurement and control readings in pipes or closed vessels within pressurised systems. Threaded hex. head design affords greater resistance to shock and vibration when mounted. Leads 300mm standard, other lengths available, consult factory.	ON-970-44004	2,252
		ON-970-44005	3,000
		ON-970-44007	5,000
		ON-970-44006	10,000
ON-970 mm (in)	Leads:300 mm Maximum temperature: 100°C Body Type ON-970 [£] 45 All prices include sensor	ON-970-44008	30,000

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