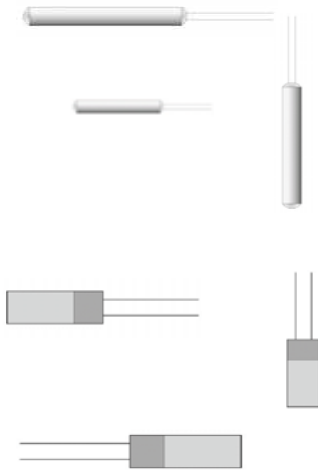


Miscellaneous



RTD Elements.			
CODE	DESCRIPTION		PRICE
	Ceramic miniature.		
Pt100-min-A	Pt100 1.6ø x 15mm	Class A.	\$26.00
Pt100-min-4	Pt100 1.6ø x 15mm	Band 4.	\$47.00
Pt100-min-5	Pt100 1.6ø x 15mm	Band 5.	\$57.00
	Ceramic standard.		
Pt100-std-A	Pt100 3.0ø x 15mm	Class A.	\$26.00
Pt100-std-4	Pt100 3.0ø x 15mm	Band 4.	\$47.00
Pt100-std-5	Pt100 3.0ø x 15mm	Band 5.	\$57.00
	Ceramic duplex.		
Pt100-dup-A	Pt100 3.0ø x 15mm	Class A. Duplex.	\$72.00
	Flat film.		
Pt100-FF-A	Pt100 5 x 2mm	Class A.	\$26.00
Pt500-FF-A	Pt500 10 x 2mm	Class A.	\$26.00
Pt1000-FF-A	Pt1000 10 x 2mm	Class A.	\$26.00
Options			Add price
	Element fitted with 2 wire PTFE tails 350mm.		\$15.00
	Element fitted with 3 wire PTFE tails 350mm.		\$23.00
	Duplex element fitted with 4 wire PTFE tails 350mm.		\$32.00
	Pt100-std c/w tails		\$41.00



Heat transfer paste.		
Non Silicone Heat Transfer Compound with exceptional thermal conductivity. Wide temperature range with good non creep properties make it ideal for numerous applications, where thermal control is necessary.		
HSC	Heat sink compound. Non-toxic, non-silicone. 35ml Syringe.	\$30.00

NEW Surface Pt100 Patch



MODEL	DESCRIPTION	PRICE
Pt100 Patch	Surface Pt100 Patch. Pt100 Class B in moulded silicone rubber patch. Dimensions: 40mm x 13mm x 5mm. 2 metres PTFE insulated twisted pair lead. Temperature range: -50~150°C. Oil and chemical resistant.	\$115.00

www.intech.co.nz/surface

RTD probes with integral cable



RL-SIL



RL-PTFE



RL-PTFE
Shown with cable collar

www.intech.co.nz/rl

Temperature sensor:

Standard:

Pt100, Class A.

(Higher grades available).

Others:

Pt500, Pt1000, Duplex, etc.

Cable:

Silicone rubber, teflon, tefzel, PVC.

3, 4 or 6 cores.

Probe:

Diameters from 3mm.

Mineral insulated optional.



FP-PVC

DB-SIL-N

www.intech.co.nz/rfp



DB-SIL-R
Shown with a ring handle and reduced tip.

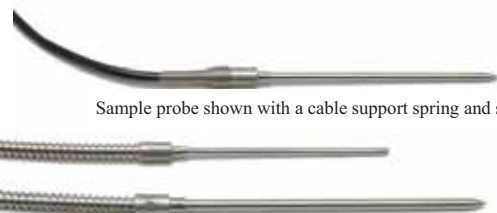
Temperature probe catalogue available on request.

Pt100 probes with integral cable. Stock probes. Others by request.

CODE	DESCRIPTION	PRICE
RL-SIL	Probe with integral Silicone lead. Probe: 6.4mm 316 Stainless steel. Temp: min/max at probe tip: -30/180°C.	
-050-3	Probe length: 50mm Cable: 3m 3 core Silicone.	\$68.00
-100-3	Probe length: 100mm Cable: 3m 3 core Silicone.	\$68.00
-150-3	Probe length: 150mm Cable: 3m 3 core Silicone.	\$68.00
-150-5	Probe length: 150mm Cable: 5m 3 core Silicone.	\$72.00
-150-10	Probe length: 150mm Cable: 10m 3 core Silicone.	\$86.00
-150-20	Probe length: 150mm Cable: 20m 3 core Silicone.	\$118.00
RL-ETFE	Probe with integral Tefzel lead. Cable: 2m 3 core Tefzel. Probe: 4.7 x 100mm 316 Stainless steel. Temp: min/max at probe tip: -100/150°C.	\$90.00
RL-PFA	Probe with integral PFA teflon lead. Cable: 2m 3 core PFA teflon. Probe: 4.7 x 100mm 316 Stainless steel. Temp: min/max at probe tip: -190/260°C.	\$95.00
RL-PTFE	Probe with integral PTFE teflon lead. Cable: 2m 3 core PTFE teflon. Probe: 3 x 50mm 316 Stainless steel. Temp: min/max at probe tip: -190/260°C.	\$115.00
RL-PVC-B	Probe with wall bracket and integral lead. Cable: 2m 3 core PVC. Probe: 6.4 x 70mm 316 S.S. 30x30mm bracket. Temp: min/max at probe tip: -10/80°C.	\$90.00
DB-SIL-N	Deep bone probe with hex nut. Cable: 7m 3 core Silicone. Probe: 6.4 x 150mm 316 Stainless steel. Temp: min/max at probe tip: -30/180°C.	\$180.00
-T	Options: T bar handle or	
-R	140mm ring handle. Add.....	\$48.00
FP-PVC-07	Fruit probe with Nylatron handle. Probe: 3.3 x 50mm 316 Stainless steel. Temp: min/max at probe tip: -30/150°C.	
FP-PVC-10	Cable: 7m 3 core PVC.	\$173.00
FP-PVC-15	Cable: 10m 3 core PVC.	\$181.00
	Cable: 15m 3 core PVC.	\$196.00
	Options: Probe diameters of 4.7 or 6.4mm. Silicone cable.	POA POA
MC-SIL-04	Meat carton probe with Nylatron handle. Probe: 1/4" x 150mm 316 Stainless steel. Temp: min/max at probe tip: -30/150°C.	
MC-SIL-05	Cable: 4m 3 core Silicone.	\$147.00
MC-SIL-10	Cable: 5m 3 core Silicone.	\$155.00
	Cable: 10m 3 core Silicone.	\$187.00



RL-PVC-B



Sample probe shown with a cable support spring and spear tip.

Samples shown with armour cable protection on 3mm and 4.7mm probes.

RTD probes with terminal heads



Pt100 probes with terminal heads. Powder packed. Stock probes. Others by request.		PRICE
CODE	DESCRIPTION	
RH-SH-xxx	Small head probe. Probe: Diameter: 6.4mm 316 Stainless steel. Lengths: 100, 150, 200, 250, 300mm. Head: Cast alloy. Temp: min/max at probe tip: -190/260°C.	\$136.00
RH-SHP-xxx	Small head probe with 1/2"BSPT process thread. Probe: Diameter: 6.4mm 316 Stainless steel. Lengths: 100, 150, 200, 250, 300mm. Head: Cast alloy. Temp: min/max at probe tip: -190/260°C.	\$167.00
RH-LH-xxx	Large head probe. Probe: Diameter: 6.4mm 316 Stainless steel. Lengths: 100, 150, 200, 250, 300mm. Head: Cast alloy. Temp: min/max at probe tip: -190/260°C. Duplex option for RH-LH	\$158.00 \$198.00
RH-LH-TX-xxx	Large head probe. With In-head Non-Isolated transmitter. Probe: Diameter: 6.4mm 316 Stainless steel. Lengths: 100, 150, 200, 250, 300mm. Head: Cast alloy. Temp: min/max at probe tip: -190/260°C.	\$256.00
RH-LHP-xxx	Large head probe with 1/2"BSPT process thread. Probe: Diameter: 6.4mm 316 Stainless steel. Lengths: 100, 150, 200, 250, 300mm. Head: Cast alloy. Temp: min/max at probe tip: -190/260°C.	\$178.00
MRH-SA-xxx	Mineral insulated small head. Probe: Diameter: 6.4mm 316 Stainless steel. Lengths: 100, 150, 200, 250, 300mm. Head: Cast alloy. Temp: min/max at probe tip: -190/500°C.	\$288.00
MRH-LA-xxx	Mineral insulated large head. Probe: Diameter: 6.4mm 316 Stainless steel. Lengths: 100, 150, 200, 250, 300mm. Head: Cast alloy. Temp: min/max at probe tip: -190/500°C.	\$298.00
MRPH-LA-xxx	Mineral insulated large head c/w process fitting. Probe: Diameter: 6.4mm 316 Stainless steel. Lengths: 100, 150, 200, 250, 300mm. Head: Cast alloy. Temp: min/max at probe tip: -190/500°C. Fitting: 1/2" BSP.	\$320.00

xxx = length.

www.intech.co.nz/rh

Temperature sensor:

Standard:

Pt100, Class A.

(Higher grades available).

Others:

Pt500, Pt1000, Duplex, etc.

Probe:

Diameters from 3mm.

Powder packed (260°C Max).

Mineral insulated option (500°C Max) + High Vibration.

Fast response tip.

Terminal heads:

Cast alloy. (Small and large).

Bakelite. (Small and large, Add \$3.00).

Polypropylene. (Large only, Add \$3.00).

Cast stainless steel. (Large only, Add \$134.00).

Machined stainless steel. (Large only, Add \$120.00).

RTD transmitters: For large head probes only.

A range of in-head transmitters are available.

Non-Isolated (XU2HN), Add \$98.00

Isolated (XU2HI), Add \$198.00

www.intech.co.nz/mrh

www.intech.co.nz/mrph

Temperature probe catalogue available on request.

Wall mount RTD probes

Temperature sensor:

Standard:

Pt100, Class A.
(Higher grades available).
Others:
Pt500, Pt1000, Duplex, etc.

Probe:

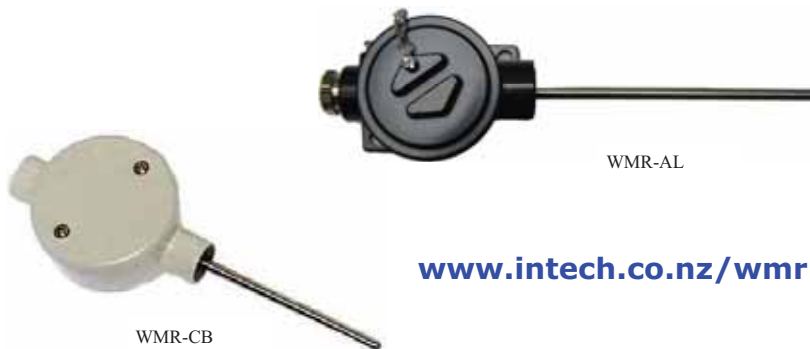
Diameters from 3mm.
Mineral insulated optional.
Fast response tip.

Terminal heads:

Cast alloy.
PVC conduit box.

RTD transmitters:

A range of in-head transmitters are available.
Non-Isolated (XU2HN), Add \$98.00
Isolated (XU2HI), Add \$198.00



www.intech.co.nz/wmr

Wall mount Pt100 probes.		
Stock probes.		Others by request.
CODE	DESCRIPTION	PRICE
WMR-CB	Wall mount pvc conduit box probe. Probe: 6.4 x 100mm 316 Stainless steel. Head: PVC. Temp: min/max of probe: -20/80°C.	\$84.00
WMR-AL	Wall mount alloy head probe. Probe: 6.4 x 100mm 316 Stainless steel. Head: Cast alloy. Temp: min/max of probe: -40/110°C.	\$135.00

Shockproof screw-in Pt100 sensors enable temperature measurement under pressure in motors, compressors, plant engineering and in ship building. Lloyd Application Category D Characteristic 2. The connection between the protection fitting and the connecting cable incorporates a locking system and has IP65 or IP69K protection rating when assembled.

The measuring insert is normally fitted with a Pt100 temperature sensor.

- ◆ for temperatures from -50 to +300°C
- ◆ highly resistant to shock and vibration
- ◆ connector locked in for reliable contact, IP65 or IP69K protection

Jumo VIBROtemp.

Screw-in Pt100 sensors with plug connector.



MODEL	DESCRIPTION	PRICE
VIBROtemp-S	Pt100 RTD c/w Silicone Lead. Two threads 1/2" BSP and 1/8"-27 NPT (specify when ordering). Temperature range: -50 to +300°C JUMO Datasheet: 90.2040	\$175.00
VIBROtemp	Replacement probe (no cable). Two threads 1/2" BSP and 1/8"-27 NPT (specify when ordering).	\$127.00

www.intech.co.nz/vibrotemp

Resistance to temperature table for Pt100 elements.													
Platinum resistance at 0°C - 100 ohms.						Temp coefficient - 0.00385 ohms/ohm/°C.							
°C	ohms	°C	ohms	°C	ohms	°C	ohms	°C	ohms	°C	ohms	°C	ohms
-200	18.49	-100	60.25	0	100.00	100	138.50	200	175.84	300	212.02	400	247.04
-190	22.80	-90	64.30	10	103.90	110	142.29	210	179.51	310	215.57	410	250.48
-180	27.08	-80	68.33	20	107.79	120	146.06	220	183.17	320	219.12	420	253.90
-170	31.32	-70	72.33	30	111.67	130	149.82	230	186.82	330	222.65	430	257.32
-160	35.53	-60	76.33	40	115.54	140	153.58	240	190.45	340	226.17	440	260.72
-150	39.71	-50	80.31	50	119.40	150	157.31	250	194.07	350	229.67	450	264.11
-140	43.87	-40	84.27	60	123.24	160	161.04	260	197.69	360	233.17	460	267.49
-130	48.00	-30	88.22	70	127.07	170	164.76	270	201.29	370	236.65	470	270.86
-120	52.11	-20	92.16	80	130.89	180	168.46	280	204.88	380	240.13	480	274.22
-110	56.19	-10	96.09	90	134.70	190	172.16	290	208.45	390	243.59	490	277.56
-100	60.25	0	100.0	100	138.50	200	175.84	300	212.02	400	247.04	500	280.90

Temperature probe catalogue available on request.

Sanitary RTD probes



SR-RN
Shown with a machined
Stainless steel head.



SR-RJT
Shown with a machined
Stainless steel head.

Sanitary Pt100 probes.		
Stock probes.		Others by request.
CODE	DESCRIPTION	PRICE
SR-TRI	Sanitary probe with triclover assembly.	
	Assembly: 2" triclover. Probe: 6.4 x 100mm 316 Stainless steel. Temp: min/max at probe tip: -190/260°C. Head: Large polypropylene. Machined stainless steel.	\$248.00 \$340.00
SR-RJT	Sanitary probe with RJT assembly.	
	Assembly: 2" RJT complete with nut. Probe: 6.4 x 100mm 316 Stainless steel. Temp: min/max at probe tip: -190/260°C. Head: Large polypropylene. Machined stainless steel.	\$293.00 \$425.00
SR-RN	Sanitary probe with running nut assembly.	
	Assembly: 3/4" BSPP. Probe: 6.4 x 100mm 316 Stainless steel. Temp: min/max at probe tip: -190/260°C. Head: Large polypropylene. Machined stainless steel.	\$258.00 \$425.00
Options for the above probes		Add
Heads	Large aluminium cast head.	n/c
	Large bakelite head.	n/c
	In head transmitter - Non Isolated (XU2HN).	\$98.00
	In head transmitter - Isolated (XU2HI).	\$198.00
Probe	Fast response tip.	\$60.00
	Duplex sensor.	\$42.00
Sockets	Long or Short for SR-RN Running Nut.	\$49.00
	Teflon Crush Washer.	\$7.00
Certificate	For temperature response as below.	\$65.00

www.intech.co.nz/sr

Temperature sensor:

Standard:

Pt100, Class A.
(Higher grades available).

Others:

Pt500, Pt1000, Duplex, etc.

Probe:

Diameters from 3mm.
Mineral insulated optional.
Fast response tip.

Assembly:

Triclover 1.5" - 2" - 2.5" - 3".

RJT 1.5" - 2" - 2.5" - 3".

Running nut 3/4" BSPP.

RTD transmitters:

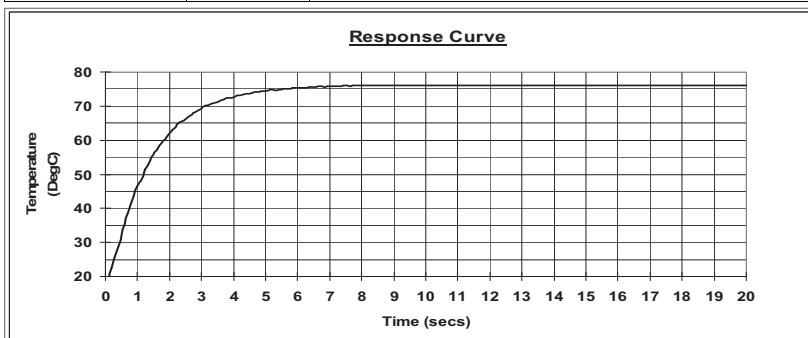
A range of in-head transmitters are available.

Non-Isolated (XU2HN), Add \$98.00

Isolated (XU2HI), Add \$198.00

Probe type:	PT100	High Speed Probe Temperature Response
Serial Number:	301001-02B	
Initial temperature.	18.46 °C	
Final temperature.	76.00 °C	
First time constant.	1.45 secs	Time taken for probe to rise from 0 to 63.2% of temperature change.
MAF response value.	1.46 secs	Response time of probe between 65 and 72°C when placed in a bath at 76°C water.

Pipe Size	RJT dia	TriClamp dia
1/2" DN15	--	25.2mm
3/4" DN20	--	25.2mm
1" DN25	41.2mm DN25	50.5mm
1 1/2" DN40	53.9mm DN38	50.5mm
2" DN50	66.7mm DN51	64.0mm
2 1/2" DN63	79.4mm DN63	77.5mm
3" DN75	92.0mm DN76	91.0mm



Temperature probe catalogue available on request.

Handheld probe assemblies



Bead Probe



HHR-01

Temperature sensors:

Standard thermocouples:

- Type K.
- Type J.
- Type T.

Standard RTD sensors:

- Pt100.
- Pt500.
- Pt1000.

Probe:

- Diameters from 3mm.
- Mineral insulated.
- Isolated or bonded junctions.

Connectors:

- Mini plug.
- Standard plug.

Cable:

- PVC.
- Silicone rubber.
- Teflon.
- Tefzel.

Handheld probe assemblies. Stock probes. Others by request.		
CODE	DESCRIPTION	PRICE
Bead probe	Miniature plug and cable. Type K. Probe: Bead tip. Cable: 1m PVC. Temp: min/max of probe: 0/100°C.	\$21.00
HHR-01	Industrial food probe. Pt100. Probe: 4.7 x 100mm Spear tip. 316 Stainless steel. Cable: 900mm PVC. Curly cord. Temp: min/max of probe: -30/260°C.	\$131.00
HHT-01	Industrial food probe. Type K. Probe: 4.7 x 100mm Spear tip. 316 Stainless steel. Cable: 900mm PVC. Curly cord. Temp: min/max of probe: -30/400°C.	\$121.00
HHT-02	Insertion probe. Type K. Probe: 3.2 x 200mm. Stainless steel. Cable: 900mm PVC. Temp: min/max of probe: -30/600°C.	\$50.00
HHT-03	Mini spear probe. Type K. Probe: 3.2 x 100mm. Stainless steel. Cable: 900mm PVC. Temp: min/max of probe: -30/300°C.	\$40.00
HHT-04	Surface probe. Type K. Probe: Foil sensor. Fast response. Cable: 900mm PVC. Temp: min/max of probe: 0/400°C	\$80.00

www.intech.co.nz/hht



HHT-01



HHT-03



HHT-02



HHT-04