







Why We're Better

Effective Solutions

ne Crystal pressure product often does the work of three to five devices from other manufacturers — replacing your data logger, your chart recorder, multiple test gauges, and even a deadweight tester with a single device.



ur JOFRA dry-block temperature calibrators are the fastest solution available for accurately calibrating temperature. One high speed calibrator reduces test time while also offering automated, hands-off operation, allowing a technician to complete multiple tasks simultaneously. We even have a model that only requires calibration once every three years!





The CTC-1205 and RTC-700.



Reduce Measurement Error

We use active temperature compensation to ensure you have lab accuracy in nearly any outdoor climate.

We define our accuracy clearly, so you know where you stand without working complex calculations. And, our advanced simplicity interfaces allow you to quickly learn the product, helping to reduce user error.

Increased Safety

rom the safest hoses and fittings available, to high over-pressure protection, our technology sets a new standard for safety. Why take a chance?



A family of intrinsically safe calibrators, gauges, and dataloggers capabile of accurate measurement up to 15 000 psi/1000 bar.



With Active Temperature Compensation, you can count on the same accuracy at any temperature between -20 and 50° C.



Fast and safe calibration of sanitary flange sensors using our unique reference sensor STS-102A and dedicated, built-in calibrator controller.



For extended recording, nVision replaces chart recorders with higher accuracy in a smaller, lighter, more rugged packgage.



Our patented cooling/heating technology makes it possible to calibrate from -100 to 155° C with one calibrator.



Create tamper proof (secure) digital records of pressure, temperature, and current recordings.



Each XP2i includes a *free* NISTtraceable, A2LA accredited calibration report from our world-class ISO 17025, accredited labs.



Pneumatic and hydraulic deadweight testers provide industry standard accuracy.



"Advanced Simplicity" single layer user interface. No deep menu structure!



An array of temperature sensors to meet your specific needs, including special cable types for use under a sanitary flange.

Dry-block and liquid-bath

temperature
calibrators
featuring
portability,
accuracy, and
speed.

Temperature



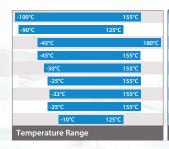
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Innovative Temperature Measurement

rom our active dual-zone calibration principle, to our patented Dynamic Load Compensation sensor, we are constantly striving to provide the most accurate and reliable temperature products available.

High Quality Sensors

Since we produce reference temperature sensors for nearly any application, we probably have the right one for yours. For added safety, our *intellegent* design ensures correct identification and calibration data are loaded into our calibrators and indicators.



internal	aracy ech	inacy ^{eC} Stabil	ide ^{C)} Resc	Jution CC Type	Insert Insert	arneter (mmessic	or Intro	Sensor Sensor	Inder Stinout Omani	and Care	libration Set Follow	ions Auto	step Switch	Kest
0.30	0.06	0.030	0.001	Dry	29.7	190	✓	✓	✓		✓	✓	✓	RTC-159
0.30	0.07	0.030	0.01	Dry	29.7	190	✓	✓			✓	✓	✓	PTC-125
0.10	0.04	0.005	0.001	Dry	29.7	160	✓	✓	✓		✓	✓	✓	RTC-187
0.10	0.04	0.005	0.001	Dry	29.7	160	✓	✓	✓		✓	✓	✓	RTC-157
0.10	0.04	0.005	0.001	Dry	25.8	160	✓	✓	✓	✓	✓	✓	✓	RTC-156
0.18	0.06	0.010	0.01	Dry	19.9	160	✓	✓			✓	✓	✓	PTC-155
0.18	0.04	0.010	0.001	Dry/Wet	63.5	180	✓	✓	✓		✓	✓	✓	RTC-158
0.30	0.20	0.040	0.1	Dry	25.8	120	✓				✓	✓	✓	CTC-155
0.50	-	0.050	0.1	Dry	12.5	110						✓		ETC-125
Specifi	cations						Functi	ons						Model

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	Internal	Curacy eC	curacy ^{eC} Stabi	IN Resc	Jution ^{eC)} Type	Insert Di	anger (mmest	St. letter	Sensor Sensor	Inder Tinout	ongensation Set of	Jus Autor	seo Switch	n lest	ariantey
28°C 250°C	0.28	0.07	0.020	0.001	Dry/Wet	63.5	180	✓	✓	✓	✓	✓	✓	✓	R
28°C 350°C	0.45	0.25	0.050	0.01	Dry	25.7	110	✓			✓	✓	✓	✓	CI
33°C 350°C	0.20	0.08	0.020	0.01		25.8	140		✓		✓	✓	✓	✓	P
33°C 425°C	‡ 0.20 0.25	0.13	0.020	0.01	Dry	25.8	150	✓	✓		✓	✓	✓	✓	P
28°C 400°C	0.50	_	0.150	0.1	Dry	Fixed	105					✓			E
28°C INFRARED 400°C	0.50	_	0.300	0.1	Dry	36.0	_					✓			E
28°C 660°C	0.85	0.45	0.080	0.01	Dry	25.7	110	✓			✓	✓	✓	✓	C
28°C 650°C	0.65	0.45	0.050	0.01	Dry	25.7	190	✓			✓	✓	✓	✓	c
33°C 660°C	0.30	0.15	0.040	0.01	Dry	24.8	150	✓	✓		✓	✓	✓	✓	P
33°C 700°C	0.29	0.11	0.020	0.001	Dry	29.8	200	✓	✓	✓	✓	✓	✓	✓	R
100°C 1205°C	2.00	2.00	0.100	0.01	Dry	27.0	137	✓			✓	✓	✓	✓	CI
Temperature Range	Specifi	cations						Functi	ons						N

^{*} RTD, TC, mA active, mA passive, and switch.

‡ At 33 to 350° C / At 350 to 425° C.



RTC-250 CTC-350A

PTC-350 PTC-425 ETC-400 ETC-400R CTC-660A CTC-652 PTC-660 RTC-700



ur pressure equipment includes some of the world's most popular digital gauges and calibrators for a variety of applications and markets. Included are intrinsically safe "% of reading" gauges and calibrators, differential pressure gauges, reference data recorders, calibrators with built in pumps, and unique pneumatic and hydraulic deadweight testers. In many cases, one handheld calibrator can replace multiple instruments, reducing ongo-

ing recalibration and ma

Our recorders collect readings as quickly as ten times per second, and store up to one million data points.

naintenance costs.	Pressure Accuracy	Vacuum uracy	Operating Ran	IP Pr	ting Press	sue se Pressure cetion		aloggitt. Differe	ntare essure Absolu	ie ure	mperatur. Read	Electr OC	Juner Sup & Switch	n Test	essure Marine	,call's
	Pres Acce	13Ch CCC	Operent	18 Br	Pres.	bres Cour	\\ \Q_2	Oift Pr	es, Most	es degre	THE RESIL	20,00	SWILL SWILL	Exte or	es. Intri	
Vacuum to 15 000 psi	± 0.035% Rdg	± 0.05% FS	-20 to 50° C	IP65	1 or 2	CPF Female		✓	✓	✓	\checkmark	✓	✓	✓		HPC40 Series
Vacuum to 15 000 psi	± 0.1% Rdg	± 0.25% FS	-10 to 50° C	IP67	1	CPF Female	✓		✓						✓	XP2i
Vacuum to 15 000 psi	± 0.025% Rdg	± 0.06% FS	-20 to 50° C	IP67	1 or 2	CPF Female	✓	✓	✓	✓	✓		✓		✓	nVision
Vacuum to 10 000 psi	± 0.035% Rdg	± 0.05% FS	-20 to 50° C	IP65	1 or 2	CPF Female		✓	✓	✓	✓		✓	✓	✓	HPC50 Series
Vacuum to 10 000 psi	± 0.2% Rdg	± 0.25% FS	-10 to 50° C	IP65	1	CPF Female										m1
Vacuum to 5000 psi	± 0.05% Rdg + 0.005% FS	± 0.25% Rdg	0 to 50° C	_	1 or 2	1/8" NPT Female					✓				✓	30 Series
Vacuum to 3000 psi	± 0.25% Rdg	± 0.5% FS	-10 to 50° C	IP65	1	CPF Female										m1M
Vacuum to 100 psi	± 0.1% Rdg	± 0.1% Rdg	-10 to 50° C	IP67	1	1/8" NPT Female	✓	✓							✓	XP2i-DP
Pressure Range	Specifications						Func	tions								Model

🤻 From 18 to 28° C. 🧵 Typical. 🔍 Plus either 0.004 or 0.01 psi. 🔍 1/4" NPT M, 1/4" BSP M, or M20 M adapter included. 🔍 1/4" NPT M and 1/4" BSP M adapters included.



± 0.025%, ± 0.015 ± 0.025%, ± 0.015 tions		4 inH ₂ O 4 inH ₂ O	1 inH ₂ O 1 inH ₂ O	1/8" NPT F 1/4" NPT F	Funct	ions	√ √	√ √		√		√
		-					√	√		√		√
± 0.025%, ± 0.015	5% 301 psi	4 inH₂O	1 inH ₂ O	1/8" NPT F			✓	✓		✓		✓
lg —	1500 psi	10 psi	1 psi	7/16-20 37° AN4 M						✓		✓
± 0.05%	3000 psi	10 psi	0.1 psi	1/4" NPT F	✓		✓		✓		✓	
ig ± 0.025%, ± 0.1%	15 000 psi	10 psi	5 psi	1/4" and 1/2" NPT F	✓	✓		✓	✓		✓	
Or be be the	Mg. big.	Will bles	Min!hch	Pressure Connection	Ong b	Agur Ong b	Jahr Libra	344, 241.M	eig Hydr	Prien	nati sek	self
	C 00,00,00,00	ce optives conday material	cu optimes cuindo, matines, minines,	cur optiones curedo, short ress, minimes, minimes, minimes,	cur optibles cuiddy shattress shirtiness shirtingthe grest on.	cur of ces cuided has rest minister and one of the	cu opines cuado stato es sun rest sur cue restori	Cur Officies Chiefly was rees will rees white the design. One state of safety till,	cut of ces cuided hat rees introces mirricle rees out of the own water red out of ces,	cui con contrata de la contrata del contrata del contrata de la contrata del la contrata de la contrata del la contrata de la	cui Course of the contract of	ge get of get get get get of the get get get get get get get get get ge

🔻 With installed adapter to 1/4 tube fitting. 📑 Not included with dual column or 0.015% accuracy. These units are supplied with bench top column mounting plate and tubing.

* CPF connections are available for all deadweight tester models.

We provide the world's only ball-type deadweight testers, where the ball and weights float on a thin film of air, which is virtually frictionless. This design eliminates the necessity to rotate the weights during testing, and allows the user to concentrate on the instrument itself. Our testers are engineered to offer user-friendly, safe operation, in the field, or in a lab. Both pneumatic and hydraulic testers are available.











