











### Reduce Measurement Error

e 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.

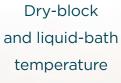


"Advanced Simplicity" single layer user interface. No deep menu structure!



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





calibrators featuring portability, speed.



# Temperature



Shown from left to right: The ETC, CTC, PTC, and RTC.

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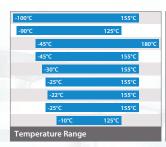
SENSORS, TEST & CALIBRATION

## 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	curacyec	Juscy <sup>eC</sup> Stabil	in Resch	Jution C Type	Insert	ameter Immersion	St. letel	Sensor Sensor	Inder Stinout Omani	c Load ation	dibration Set Follows	Je Auto	step Switch	Test			
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			
Specifications								Functions									

	Internal	Linacye <sup>C</sup>	duracy <sup>eC</sup> Stabili	IM <sup>eC</sup> Resc	Julian eC Type	Insert	ander Immess	St. (rum)	d Sensor Sensor	Indet Striput	Cload aton	Jus Auto	step Switch	7
28°C 250°C	0.28	0.07	0.020	0.001	Dry/Wet	63.5	180	√	<i>y</i>	√ 04.0	√ GE XI	V PULL	✓ San	
28°C 350°C	0.45	0.25	0.050	0.01	Dry	25.7	110	1	·		✓	<b>√</b>	1	
33°C 350°C	0.20	0.08	0.020	0.01		25.8	140		✓		✓	✓	✓	Ī
33°C 425°C	‡ 0.20 0.25	0.13	0.020	0.01	Dry	25.8	150	✓	✓		✓	✓	✓	
28°C 400°C	0.50	_	0.150	0.1	Dry	Fixed	105					✓		
28°C INFRARED 400°C	0.50	_	0.300	0.1	Dry	36.0	_					✓		
28°C 660°C	0.85	0.45	0.080	0.01	Dry	25.7	110	✓			✓	✓	✓	
28°C 650°C	0.65	0.45	0.050	0.01	Dry	25.7	190	✓			✓	✓	✓	
33°C 660°C	0.30	0.15	0.040	0.01	Dry	24.8	150	✓	✓		✓	✓	✓	
33°C 700°C	0.29	0.11	0.020	0.001	Dry	29.8	200	✓	✓	✓	✓	✓	✓	
100°C 120	2.00	2.00	0.100	0.01	Dry	27.0	137	✓			✓	✓	✓	
Temperature Range	Specifi	cations						Funct	ions					
The same of the sa														

<sup>\*</sup> 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 PTC-660 RTC-700 CTC-1205



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 maintenance costs.		ure rock	ur acy	Operating Ran	ge s	ing	sure Sensessure Pressure Connection		ogging Differe	itial out	ie ure	in Prature	Electrica C	wer Supply	rest no	essure Moder	scally 56
Our recorders collect		Pressure Accuracy	Vacuum acy	Operemb	PRO	Press	Pres Court	Data	Differ	essure Absolut	ess dead	THE READ	2470	we switt	Extern	ess Intritt	
readings as quickly as	Vacuum to 15 000 psi	± 0.035% Rdg	± 0.05% FS	-20 to 50° C	IP65	1 or 2	CPF Female		✓	✓	✓	$\checkmark$	✓	✓	✓		<b>HPC40 Series</b>
readings as quickly as	Vacuum to 15000 psi	± 0.1% Rdg	± 0.25% FS	-10 to 50° C	IP67	1	CPF Female	✓		✓						✓	XP2i
ten times per second,	Vacuum to 15 000 psi	± 0.025% Rdg	± 0.06% FS	-20 to 50° C	IP67	1 or 2	CPF Female	✓	✓	✓	✓	✓		✓		✓	nVision
and store up to one	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
million data points.	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									Functions								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.



	szandard pressure nach	Optonastire activacy	Waxinum Pressur	Nininum	Alininur	Pressure Rection	Ougles	ston le Col	allable Tripod	ampatibility	eight Sets	preu	matic Self	ontained Rec	Julatin. Type Included	ying Case
10 psi to 15 000 psi	± 0.015% Rdg	± 0.025%, ± 0.1%	15 000 psi	10 psi	5 psi	1/4" and 1/2" NPT F	✓	✓		✓	✓		✓		<b>√</b>	Type T Series
10 psi to 3000 psi	± 0.1% Rdg	± 0.05%	3000 psi	10 psi	0.1 psi	1/4" NPT F	✓		✓		✓		✓		✓	HL Series
10 psi to 1500 psi	± 0.025% Rdg	_	1500 psi	10 psi	1 psi	7/16-20 37° AN4 M						✓		✓		HK Series
4 inH <sub>2</sub> O to 301 psi	± 0.05% Rdg	± 0.025%, ± 0.015%	301 psi	4 inH₂O	1 inH <sub>2</sub> O	1/8" NPT F			✓	✓		✓		✓	✓	RK Series
4 inH <sub>2</sub> O to 30 psi	± 0.05% Rdg	± 0.025%, ± 0.015%	30 psi	4 inH₂O	1 inH <sub>2</sub> O	1/4" NPT F			✓	✓		✓		✓	✓	PKII Series
Pressure Range	Specification	ıs					Functions								Model*	

🔻 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.

e 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.















