



Calibration Instruments



- All types of sensors and gauges
- Pressure and temperature switches
- Rugged and easy to use

Marine Calibrators TC600M/ PC350/ PM110L

The range of Tek Know calibrators has been designed to maintain high accuracy and stability under the most severe conditions. The portable calibrators are used on offshore rigs and by leading ship owners world-wide.

True calibration - no simulation. The calibrators generate true pressure and temperature references.


Calibration standard - each calibrator supplied by Scan-Sense is calibrated against precision equipment which is traceable to national standards and calibration certificates are supplied with each unit.

Tek Know calibrators will fulfil requirements in connection with quality assurance programs as well as requirements from classification societies.

Portable - low weight and compact design make the calibrators ideal for "on site" calibration. Each unit is supplied in a robust carrying case.



Technical information

	TC600M		PC350M	PM110L
Temperature range	50 to 600 °C	Range Bar/PSI	0 to 350/5000	-0,8 to 20/290
Resolution	0,1°C	Pump	hydraulic	air
Accuracy	0,8°C	Accuracy*	0,15% Fs	better than ±0,1%Fs combined error
Stability	0,05°C	Resolution	0,1 Bar	0,001 Bar
Heating time	18 min.	Battery	1 x 9V	1 x 9V
Well depth	155 mm	Weight	8 kg	1,3 kg
Well dia.	26 mm	Test connection	16 x 1,5 mm	1/4" BSP F
Thermostat test	yes	Read out	Bar/PSI	Bar/PSI
Power supply	100/110/230 volt	EEx approval	standard	standard 

*) Combined non-linearity, hysteresis and repeatability.

Note: Due to continuous product improvements, published specifications may change without notice.

Temperature Calibration

The dry block principle excludes the use of oil or other liquids. Interchangeable insertion tubes (optional) with various diameters ensure thermal contact to the sensor being tested.

Simply place the sensor to be calibrated in the calibrator. Set the temperature. From the dual line display both true and set temperature can be read. When stabilisation occurs simply read the true temperature from the calibrator and recalibrate the sensor or system accordingly.

Pressure Calibration

Tek Know pressure calibrators consist of either a hydraulic or pneumatic hand pump with a precision digital indicator which excludes the use of fragile and sensitive analogue gauges.

For high pressure select the hydraulic system and for pressure up to 20 Bar select the pneumatic system. Connect the sensor to be tested to the pump and generate the test pressure. Read the calibration pressure from the digital indicator and recalibrate accordingly.

Scan-sense AS is a Norwegian company specialising in design and manufacturing of high quality sensors/instrumentation and related software for measurement of temperature, pressure, load and force.

Scan-sense AS supplies portable temperature calibrators from -40°C to 1200°C and a range of EEx approved portable pressure calibrators from vacuum to 700 Bar.

Distributed by:

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