



Feedthrus (stainless steel) :

- allows introducing of up to 20 thermocouples inside autoclaves, freeze dryers etc...
- leak free guaranteed

- **Stainless steel Y** for connecting simultaneously feedthrus and pressure transducers
- **Kapton tape**
- **Smart gaskets** platinum catalyzed
- **Clamps** for smart gaskets
- **Regular gaskets** platinum catalyzed



Thermocouples - special limits, for thermal validation process :

- accuracy : 0,25°C
- excellent moisture resistance (teflon)
- **teflon** thermocouples: - 200 to 316°C
- **kapton** thermocouples: - 200 to 427°C

- Special **insert** for **clamp** probes to be calibrated on Lives temperature blocks



- **Inserts** for dry blocks Lives ATC



- **Special inserts** for Lives temperature blocks





Thermal Validation Accessories - Pressure & Humidity Transducers



Pressure Transducer

- Pressure transducer :
- clamp connection 0-5 bar absolute
- output 0-10V or 4-20 mA,
- accuracy of 0,2 %
- calibrated at 121°C
- stainless steel membrane 316L,
- power supply 24 V

Humidity transducer

- Humidity transducer:
RH 0 – 100 %
Temperature -20 à 60 °C
- 2 m (6.6feet) cable length, output 0-1 V



Humidity transducer accessories

- Solutions for humidity probe calibration



Pressure Transducer Calibrator

Pressure range:

- CPC_010 Système A 10 psi / 0.7 bar
- CPC_030 Système A 30 psi / 2bar
- CPC_200 Système A 200 psi / 15 bar

Specifications:

- Precision pressure positive : ± 0.05% of FS
- Precision vacuum ± 0.1 % of reading + 2 lsd
- Compensation of temperature ± 0.005% of FS / °C
- Maximal surcharge: + 50% FS
- Compatibility: gas non corrosive & liquid
- Connection: 1/8 in. NPT female
- Display: dual information LCD plus
- Update display : 2 times / second
- Min/Max Peak hold capture: 50 milliseconds
- mA input: precision 0 - 24 mA :± 0.015% reading + 2µA
- Switch test: supply max 9 V
- Power supply: 1 x 9 Volts alkaline
- Indicator of low battery : à 7 volt



Signal Calibrator Jofra ASC 300



Multi-function signal calibrator with high accuracy.

- Input and output
- RTD: 14 different types
- TC: 13 different types
- Current 0-24 mA DC
- Voltage 0-20 V DC
- Frequency 0 to 10 KHz
- Pulse train output
- Resistance 5 to 4000 Ohm

High level of protection with full fuseless protection to 240 VAC.
 Simultaneous read-back including isolated read-back from device-under-test of mA, V, and pressure.
 Fast RTD simulation this feature is fast enough to work with all pulsed transmitters.
 Calibrate pressure at varying reference levels using external pressure modules with accuracy up to 0.01% F.S.
 Calibrate temperature using JOFRA dry-block calibrators with accuracy up to 0.04°C / 0.07°F.
 Multi-information graphical display for simultaneous reading of both output and read-back.
 Full remote control of all functions with the help of simple ASCII commands.