

CALIBRATION AMPULES



These glass ampoules contain a measured amount of the calibration gas mixed with either Nitrogen or Argon. Nitrogen and Argon are inert gases that will not react with the calibration gas. To calibrate a gas sensor, an ampoule is placed in the breaker module of the calibration beaker, the beaker is pushed onto the sensor. The breaker knob is then tightened on the ampoule until the ampoule shatters and its contents diffuse through the air in the beaker. The SPAN potentiometer on the gas detection controller is then adjusted until the instrument reads the appropriate gas concentration. Ampoules are a much more convenient, and are currently available to give concentrations as follows:

Gas	SO ₂	H ₂ S	CO	Cl ₂	NH ₃
Gas Code	SD	HS	CO	Cl	AM
Range	20 PPM	20 PPM	5 PPM	5 PPM	50PPM
Range	50 PPM	50 PPM	100 PPM	20 PPM	50PPM
Range	100 PPM	100 PPM	250 PPM		

SPECIAL FEATURES

- Using these gases it may be possible to cross-calibrate sensors for other gases and using a beakers of different volumes rating. It is possible of to Calibration at different ranges than the concentration mentioned on the Ampule.
- Before use, it is important that both the ampoules and the calibration beaker are clean and dry. Ampoules should not be used if the glass is cracked or fractured and the calibration beaker should not be used unless the lid is tight fitting.
- Because some gases (e.g. Cl₂) are easily absorbed it is recommended that the internal surfaces of the calibration beaker Be permeated with the calibration gas prior to actual calibration. This is most easily accomplished by placing an ampoule in the beaker, placing the beaker over the sensor and breaking the ampoule as if performing a normal calibration routine. The ampoule should be left in place for approximately 5 minutes.

Endee Engineers reserves the rights to specification changes which may occur with advances in design without prior notice.

ENDEE ENGINEERS PVT. LTD.

D-122, Ansa Industrial Estate, Saki Vihar Road, Mumbai - 400 072. ● Tel. : 022-852 1497 / 852 1776 ● Fax : 022-852 1615

● E-Mail : sales@endee-engineers.com ● endee@bom3.vsnl.net.in ● Web Site: www.endee-engineers.com