

Pipe Scanning System

P Scan Mk1

Assessing the efficiency of flow pipe systems is crucial. The P Scan has been designed for the purpose of measuring density concentration and evaluation of scale deposits in piping.



Applications

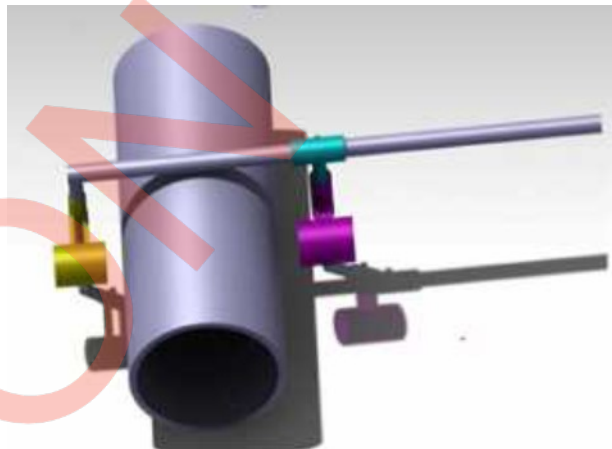
- Detection of solids build-up**
- Refractory quality and losses**
- Vapour and liquid presence in the line**
- Slugging effect**
- Malfunction detection**

Functions

- Density measurement (concentration) of 2 phase flow in piping**
- Evaluation of the deposits (scales) in pipes**
- Continuous operation**

Specifications

General Characteristics	
Weight	About 15 kg
Maximal use diameter	100 cm
Gamma source	Cs-137 (50 mCi max) or Co-60 (20 mCi max) depending of pipe diameter and wall thickness (not included)
Detector NaI(Tl) – DES-BL 38x50	Φ 38 x 50 mm (not included)
Instrumentation	Data logger C Scan Mk1 (not included)



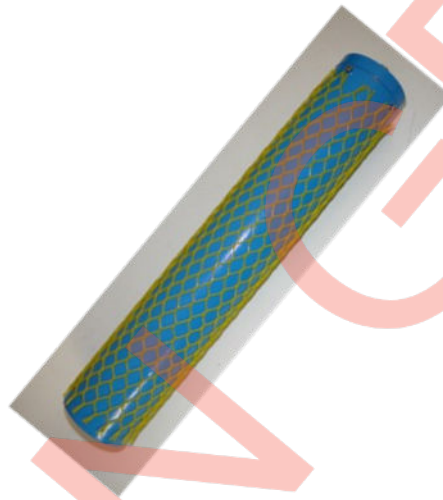
Pipe Scanning Scheme

Recommended extras

INSTRUMENTATION

Detector

Detector type DES-BL is recommended to be used with the system, however the detector holder can be adapted to any type of detector. If the system will be used in an explosive atmosphere it is suggested to use detectors with embedded electronics for the production of high voltage, and thus powered by low DC voltage (24 V DC max.) from the data logger.



Data Logger

The C Scan data logger is recommended to be used with the system

