

# LEAKBAN LDS

Leak detection system

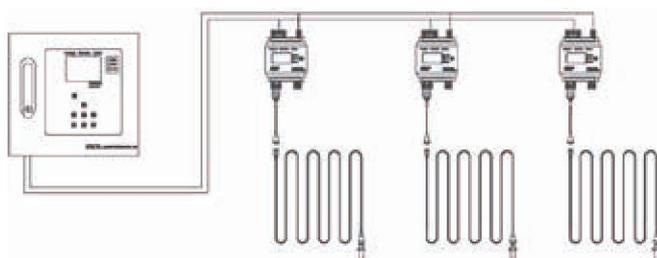
The fluid leakage in the building such as data centre or command room can stop all electrical and electronic equipment and the relevant safety systems from correct appropriate operation. Furthermore it can cause serious losses such as environmental pollution, fire, explosion and/or casualties. LEAKBAN leak detection cable system can detect various types of leakage from pipes and other equipment. Furthermore, it pinpoints the position where the leakage occurred with high accuracy. LEAKBAN LDS is an essential part for safety and a preventive operation system in industrial and commercial areas.

<p>Use</p>	<p>Power plant and sub-station : water and various chemical detection around power generation plants, data centres, central command units                  Digital media centre : water detection including floor surfaces, subfloors and equipment locations                  Semi-conductor, battery, display panel (LCD/LED) factory : water, acid and base leakage detection around pipes, storage tanks, and trenches such as sulphuric acid, sulphurous acid, nitric acid, PAC and sodium hydroxide etc.                  Army bases : Oil and chemical leak detection including pipes and storage tanks                  SOLCO intrinsically safe leak detection system is approved for installation in ordinary and hazardous areas when used with LBSC-1000 or LBSC-7000 sensing cable with safety barrier being stated in the Ex certificates. Protection Ex ia IIC T4 Ga Certificate No. BASEEFA 15Y0074, IECEx BAS15.0064X</p>
<p>Features</p>	<p>Conforms with relevant EMI/EMC and Electrical Safety requirements                  Sensing cable can be connected up to 1km                  Fast response (default 8 seconds)                  Leak point positioning within <math>\pm 1\text{m} / 1,000\text{m}</math>                  Sensing wires sit in deep grooves making it fault-free                  Durable and flexible / Reusable                  Chemical and abrasion resistance</p>
<p>Certification</p>	

## Product drawing

### Network System

LEAKBAN LBMM-100, the main display module, is connected with LBSM, the Submodule, via RS485 and monitors the status of all the linked submodules and sensing cables. When a leakage is detected, it automatically triggers an auditory and visual alarm for recognition and alert from a distance. Max. 32 submodules can be linked with LBMM-100 via RS485, and each submodule can accommodate up to 500m of sensing cable at maximum.



### Stand-Alone System

LBMM-100, main display module can be directly connected with a leak sensing cable without a LBSM. It can accommodate up to 1,000m of sensing cable at max. On the other hand, LBSM-200 or LBSM-300, submodules can be used without the LBMM. If necessary, it can be connected with a Windows PC via the RC-MBT unit for monitoring the status of leak sensing cables and for positioning the point where the leakage occurred.

