Particle Sensors:

IAQ (indoor air quality) at a glance! Based on the light scattering method, Particle sensor to detect air-bourne particles in a room. It is sensitive to dust, particles and cigarette smoke which can trigger many allergic symptoms. The highly advanced sensor developed



for industrial applications such as clean rooms, finishing operations and painting. Air-borne particles as small as 0.5 microns can be detected. The monitor has an easy to read display and alarm features along with Ethernet capabilities.





Odor Meter:



Handheld odor meter model OMX, is the most simplified tool for odor analysis, which enables to indicate the relative strength and odor classification numerically by comparing odor gas and purified air. The reading shown on display

is calculated based on our original principle.

- Finding odor source at factories, incinerator plant, or effluent treatment facilities.
- Evaluation of deodorizing at hospitals or nursing homes
- TVOC measurement for monitoring IAQ condition.

High-Temperature Fiber Products:

Our High-Temperature Fiber Products are made of extremely fine inorganic fibers of alumina and Silica. It has properties such as high tensile strength and modulus, excellent thermal



electrical insulation. It has a wide range of applications in high temperature operating environment.

Photo Sensors

TSDPL offers SHINKOH, Japan make Photo Sensors it detect objects, changes in surface conditions, and other items through a variety of optical properties. A Photo Sensor consists primarily of



an Emitter for emitting light and a Receiver for receiving light.

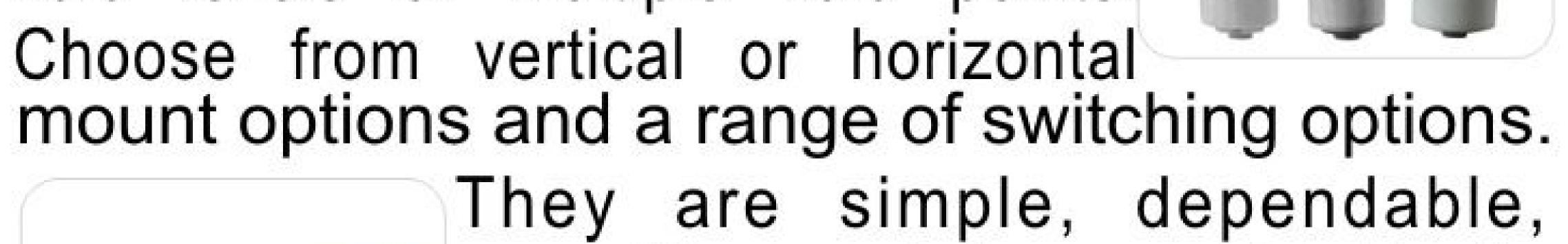


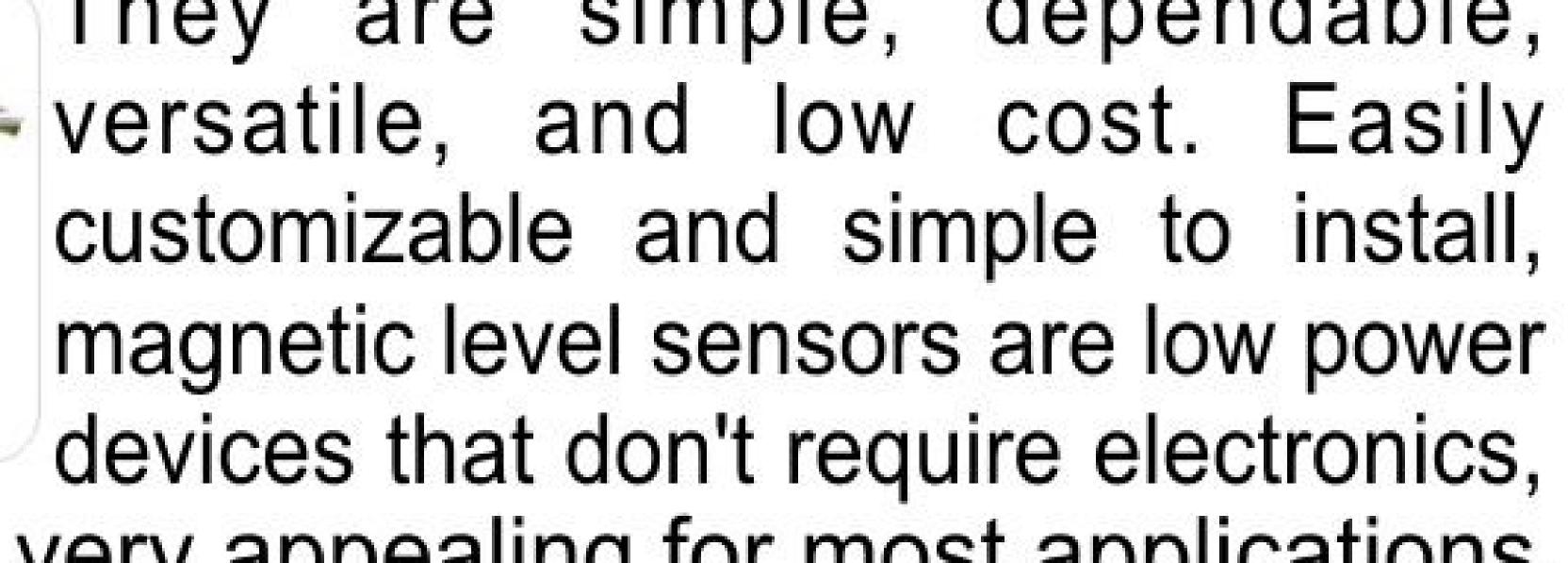


When emitted light is interrupted or reflected by the sensing object, it changes the amount of light that arrives at the Receiver. The Receiver detects this change and converts it to an electrical output. The light source for the majority of Photo Sensors is infrared or visible light (generally red, or green/ blue for identifying colors).

Liquid level and flow level sensors:

TSDPL offers Watty's liquid level sensors with integrated magnetic floats and cable terminals are used to detect low fluid levels or multiple fluid points. Choose from vertical or horizontal





making them very appealing for most applications.

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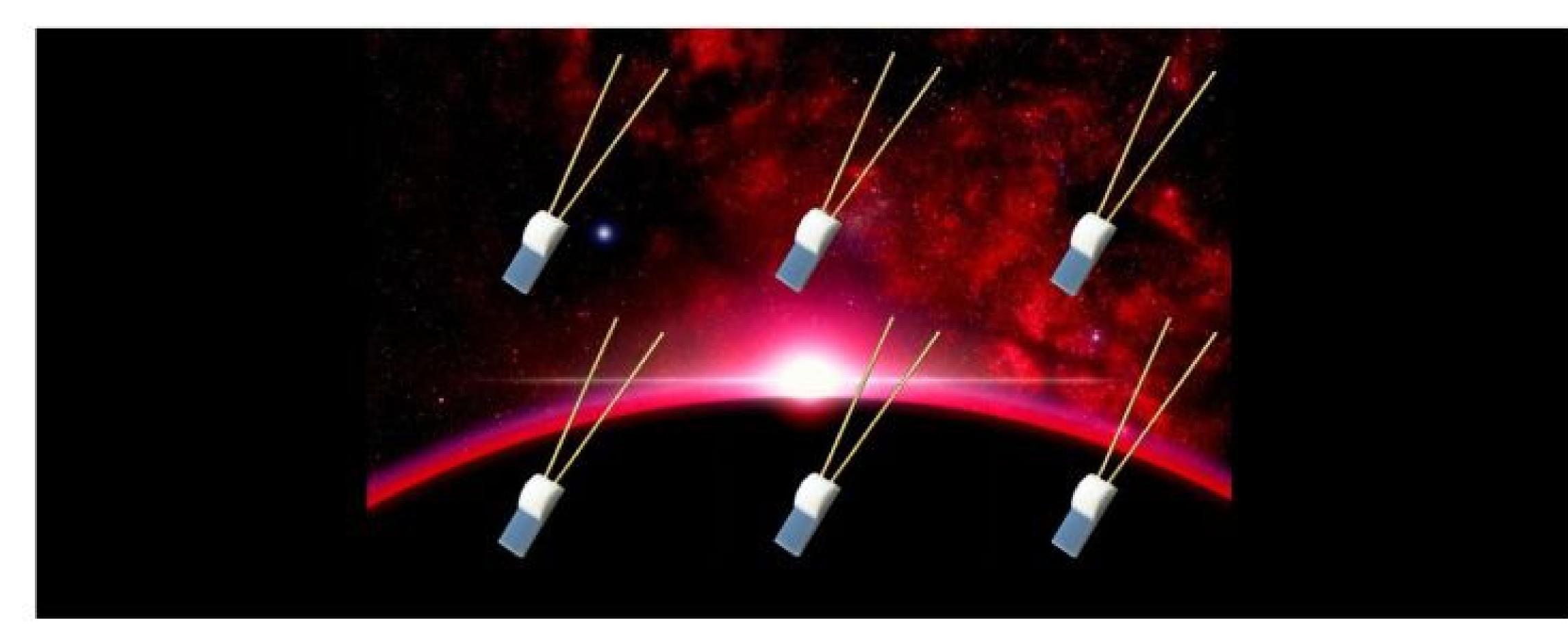
COMPANY PROFILE

www.tsdpl.com

Company Profile:

Toshniwal Sensing Devices Private Limited (TSDPL) was incorporated in Ajmer (INDIA) in 1984 and became a leading supplier of a variety of instruments & Sensors. TSDPL reckoned as a spearheading force in instrumentation industry. Our knowledge-based marketing professionals work in coordination with the Clients, understanding their requirements and providing the best solutions.

RTD Elements:



HAYASHI DENKO, Thin Film elements are highly stable Resistance Temperature Detectors suitable for a temperature range of -70°C to 500°C. CRZ Platinum Thin Film RTD elements have been successfully developed by making full use of the state-of-the-art high technologies such as the sputtering technology laying thin films, the ultra-fine patterning photolithography, and dry etching methods, and the resistance value adjustment by digital trimming for the accurate resistance. After trimming the element surface is coated with ceramic, so the element can withstand high voltage, vibration & shock and have high insulation resistance. Pt 500 and Pt 1000 elements are also available that are suitable for precise measurement.



TSDPL offers FIGARO, Japan make a wide range of gas sensor products for the detection of various gasses, from explosive gasses such as propane, toxic gasses such as carbon monoxide, to air quality sensors for volatile organic compounds (VOCs) that are responsible for the sick-house syndrome. Figaro offers a diverse portfolio of sensor technologies that can be matched to the unique requirements of each application. Figaro's products enable safety and security and are also used in applications where health and comfort are important. The types of gas sensors developed and manufactured by Figaro are..

Semiconductor Type



Catalytic Type



Electrochemical Type





NDIR CO2 Sensor

Data loggers:

pressure, Illuminance,



measurement. USB and waterproof type also available. These are compact in size and environment-friendly. WATCH LOGGERS are easy-to-use and reliable data acquisition system.

Humidity Sensing Instruments:



RHI series module consists of a reliable and proven humidity sensor and a custom IC designed exclusively for the sensor, which achieved easy

operation, high accuracy, and cost-effectiveness.

RHT-2 A/V is a compact robust temperature and relative humidity module designed for general purpose and industrial use. It is easy to install and it provides linear current or voltage outputs for RH as well as temperature.



TA-502/TA-503 has compact light weight design. It is available with rigid metal type, flexible cable type or duct type sensor heads.