



Jm IBOT

Jm IBOT enables you to take the first step into the journey of Industry 4.0 in a very simplified way. It is an intelligent status monitoring device with innovative capabilities of harnessing the power of specific end-to-end filtered data. These capabilities can be utilized to better determine, analyze and the process equipment (or) asset health status. This will enable the user to take corrective actions against the critical issues of potential failure and respective changes in ideal operating conditions in accessible and remote areas.

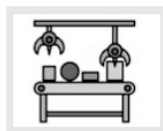
Value to the User

- Simple way to monitor 4 digital & 4 analogue inputs remotely in real-time
- GSM / Wifi based operation with physical I/O's
- Facility to set defined time interval for data transmission
- User-definable settable hysteresis for analogue values
- Easy integration with PLC
- Configurable with existing manufacturing system
- Can be installed even by a technician
- App based simple operation for setting as well as data dash board
- Simple data configuration with SQL software & data analyzing capability with Microsoft excel

Applications



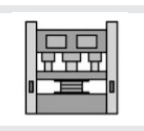
Blowers



Production Line



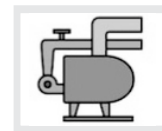
Power Plant



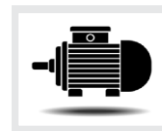
Metal Stamping



Gas



Boiler









High Tension Motors

Technical Specifications

Type Nos	JM - IBOT01 (GSM 2G/3G SIM) JM - IBOT02 (GSM 2G/3G SIM+GPS) JM - IBOT03 (Wifi)
Power Supply	Power input range : 24 VDC 2A (External power source)
Construction	Plastic Housing
Ambient Temperature Rating	50°C. maximum
Input Channels	4 digital input (24 VDC, PNP type, current consumed 10 mA maximum) 4 analogue input (4 - 20 mA sinking)
Output Channels (only for GSM version)	4 potential free relay outputs (1NO+1NC, 2Amp maximum)
Operating Temperature	0°C to 50°C (32°F - 122°F)
Approx. Weight (Net / Gross)	0.3 kg (0.67lb)/0.46kg(1lb)

User Facilities

- User-Friendly Programmable Functionality :**
 User can define healthy status of digital inputs and can define hysteresis for analogue inputs in the Jm app itself
 The system can also be programmed to send the status of inputs and outputs at a regular user-definable time intervals 
- GSM Version :**
 This time interval can be set by the system administrator (for first of the 3 cell numbers programmed in the system). This can be set for sending: SMS at programmed time interval 
- Wifi Version :**
 Logging of status of inputs as well as outputs on the cloud 
- User-Focussed Notification Methods :**
 Change in inputs / outputs will be communicated through -
 - GSM Version:**
 To 3 programmable cell phone numbers via - SMS & Voice Call  
 - Wifi Version :**
 Logging of these input as well as output status on local cloud & J Mechatronic's with user specified username and password 
- Power to the User :**
 - GSM Version :**
 The relays in the system can be triggered ON or OFF through Jm App by any of the 3 cell phone number users through DTMF tone dialling.

J-BT
SERIES

Condition Monitoring

Android App Dashboard



OEE Calculation / TIME & EVENT BASED DATA ANALYSIS

OEE can be calculated through simple machine status and operational analogue data. Interface enables multiple user registration with a facility to analyze, share and store data for offline analysis

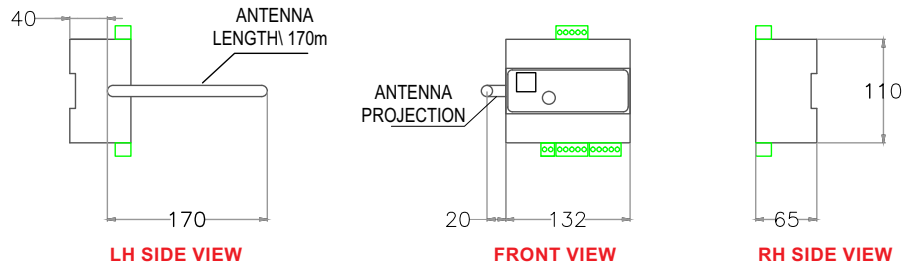


ANALOGUE & DIGITAL DASHBOARD

% Analogue, digital data, relay & power status will be available on the dashboard . User can locate it's asset's / machine's location in real-time

All the data on both the versions will be available on Jm Android App

JM - IBOT OVERALL DIMENSION



DIN RAIL MOUNTING