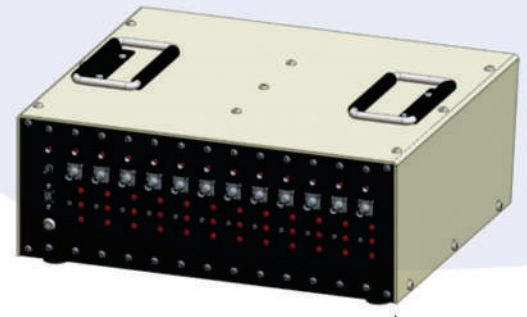


# 12 Channel DAS

The 12-channel DAS consists of 12-detectors SCA (single channel analyser) with PC control of all necessary operating parameters. The 12 detectors are connected to the counter. Each detector has its own high voltage, window settings, and threshold points. The density of any material/ object can be also checked without physical contact with the material/ object.



## Features:

- Variable HV
- Variable Discriminator level
- Software Controlled Parameters (HV, ULD, LLD)
- Provision to check density of any object or material



·The 12 detectors are connected to the panel, as the two detectors are connected in the above

- After turning on the machine and connecting the laptop to the machine start the software.
- Select the port from the drop-down list to which panel is connected through the cable to the laptop.
- Select the HV Module used and click on connect.
- It will take 3sec to 5sec to connect to the device.
- Once the machine is connected to the laptop it will show a connected message.
- After connecting to the machine successfully you will see the below (Dashboard) window.

Dashboard Graph Calibration HV Plateau NGS RTD

| Online     | CPS | Accumulated Count | Last Count | Alarm Set Points | Hours | Mins | Secs | Time Remaining | Status |
|------------|-----|-------------------|------------|------------------|-------|------|------|----------------|--------|
| Channel 1  | 46  | 1114              | 140874     | 10000            | 1     | 5    | 9    | 1:4:44         | STOP   |
| Channel 2  | 34  | 69872             | 5632       | 10000            | 0     | 5    | 7    | 0:2:7          | STOP   |
| Channel 3  | 58  | 27695             | 37182      | 10000            | 0     | 10   | 5    | 0:2:59         | STOP   |
| Channel 4  | 31  | 11825             | 43953      | 10000            | 1     | 15   | 10   | 1:8:5          | STOP   |
| Channel 5  | 42  | 1720              | 8683       | 10000            | 0     | 18   | 15   | 0:17:36        | STOP   |
| Channel 6  | 32  | 968               | 10070      | 10000            | 0     | 5    | 52   | 0:5:20         | STOP   |
| Channel 7  | 71  | 29706             | 25771      | 10000            | 0     | 55   | 30   | 0:48:25        | STOP   |
| Channel 8  | 75  | 36441             | 55639      | 10000            | 0     | 10   | 45   | 0:3:40         | STOP   |
| Channel 9  | 30  | 18222             | 54022      | 10000            | 0     | 22   | 2    | 0:14:56        | STOP   |
| Channel 10 | 34  | 12267             | 180467     | 10000            | 1     | 3    | 32   | 0:55:28        | STOP   |
| Channel 11 | 74  | 26973             | 86719      | 10000            | 0     | 45   | 8    | 0:38:3         | STOP   |
| Channel 12 | 76  | 117104            | 285014     | 10000            | 0     | 30   | 9    | 0:27:59        | STOP   |

| HV, LLD, ULD Settings |       |       |        |        |        |        |        |        |
|-----------------------|-------|-------|--------|--------|--------|--------|--------|--------|
| HV 1                  | HV 2  | HV 3  | LLD 1  | LLD 2  | LLD 3  | ULD 1  | ULD 2  | ULD 3  |
| HV 4                  | HV 5  | HV 6  | LLD 4  | LLD 5  | LLD 6  | ULD 4  | ULD 5  | ULD 6  |
| HV 7                  | HV 8  | HV 9  | LLD 7  | LLD 8  | LLD 9  | ULD 7  | ULD 8  | ULD 9  |
| HV 10                 | HV 11 | HV 12 | LLD 10 | LLD 11 | LLD 12 | ULD 10 | ULD 11 | ULD 12 |

| Counting  | Alarm   |
|-----------|---|
| RESET     | CLEAR ALARMS  |
| START ALL | ACK AUDIO   |
| STOP ALL  | <input type="checkbox"/> Enable Audible Alarm                     |
|           | Browse: <input type="button" value="Choose File"/> No file chosen |

| HV Upper Limit  |
|---|
| Set the upper limit for the High Voltage. This value set the upper limit for all HV controls. |
| 33  |

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The counts can also be observed graphically as shown in below image.



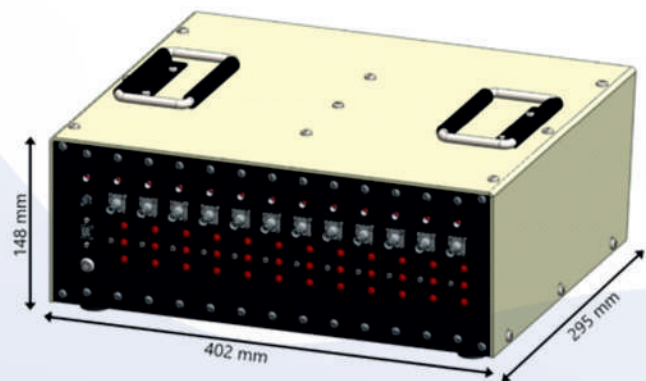
## Specifications:

- Input Voltage: 100VAC to 240VAC / 24VDC
- Input Current: 1A, 50/60 Hz
- DC Current: 1A
- Rated Power: 52.8W
- Operating Temperature: -20oC to +60oC
- High Voltage (HV): adjustable from 0V to 1500VDC
- Window: Adjustable from 0mV to 3300mV (can be enabled or disabled) for LLD and ULD
- Connectors: RF type MHV Series, USB Connector for PC connection

## Mechanical Specifications:

All the dimensions are in mm.


- Size: 295x 402 x 148 (mm) (L x W x H)
- Weight: 1.2 kg (2.7 lb)
- Finish: powder-coat finish
- Material used: Aluminium



## YELSONS INDIA PVT. LTD.

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