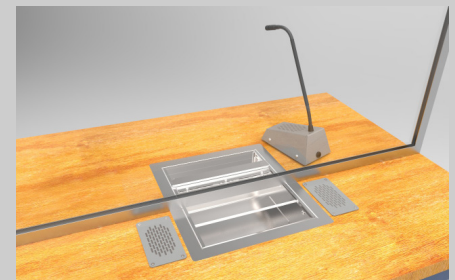




# STS-K003

## Speech Transfer System and Hearing Loop



CONTACTA SPEECH TRANSFER SYSTEMS

The STS-K003 Speech Transfer System provides assistance for clear communication where normal speech is impaired by use of glass, a security screen or other similar barriers.

Components:

- › STS-A31H, He
- › STS-SU1, Staker and Microphone
- › STS-S61, Customer Flush Mounted Speaker
- › STS-M56, Customer Flush Mounted Microphone
- › IL-AE99, Under the Counter Hearing Loop Aerial
- › PS-55, Power Supply

### Physical Data (boxed)

|                |   |
|----------------|---|
| Dimensions     | Height – 5.12"<br>Width – 13.39"<br>Depth – 9.45"   |
| Weight         | 5.29lbs   |
| Construction   | Metalwork - Mild Steel<br>STS-A31H - ABS Plastic Housing  |
| Finish Options | Powder Coated<br><ul style="list-style-type: none"> <li><span style="display: inline-block; width: 15px; height: 15px; background-color: #808080; margin-right: 5px;"></span> Grey Leatherette</li> <li><span style="display: inline-block; width: 15px; height: 15px; background-color: #000000; margin-right: 5px;"></span> Black Textured</li> </ul> |

### Applications

For use where one to one communication takes place such as:

- › Banks
- › P
- › Theaters
- › Information Centers
- › Public Transit Systems
- › Ticket Counters
- › Embassies
- › Government Buildings

### Standards

- › CE, ROHS and WEEE compliant
- › BS EN 60118-4, in correct installations



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## Physical and Technical Data (Individual Parts)

| Components  | Physical Data   | Technical Data              |  |
|---|---|-----------------------------|--|
| <b>STS A31H</b><br>Hearing Loop and Duplex Audio Communication                            | Dimensions:<br>Height - 1.58"<br>Width - 4.58"<br>Depth - 4.50"<br><br>Weight: 0.32lbs<br>Construction: ABS Plastic Housing<br>Finish: Matt Black, Fine Texture   | Supply Voltage              | 12-14 VDC                                    |
|   |   | Quiescent Current           | 100mA typical                                |
|   |   | Operating Current           | 2A typical on speech peaks                   |
|   |   | Power Switch                | act switch under membrane)                   |
|   |   | Microphones                 | Electret, supply 5V via 2.2K load resistor   |
|   |   | Speaker Output Power        | RMS: 2.5W / 8 Ω 4.4W / 4 Ω                   |
|   |   | Loop Drive Compliance       | Constant current, bounded by 4V RMS & 3A RMS |
|   |   | Total Harmonic Distortion   | <5% (loop and speakers)                      |
| <b>STS-SU1</b><br>Speaker and Microphone  | Dimensions:<br>Height of base - 2.61"<br>Height from bottom of base to top of microphone fully extended - 14.50"<br>Width - 3.80"<br>Depth - 6.02"<br><br>Weight: 1.79lbs<br>Construction: Mild Steel<br>Finish: Powder Coated Grey Leatherette or Black Textured | <b>Speaker</b>              |  |
|   |   | RMS                         | 5W   |
|   |   | Impedance                   | 4 Ω  |
|   |   | Output                      | SPL 1W @ 1M 85dB                             |
|   |   | Frequency Response          | 150Hz - 10300Hz                              |
|   |   | <b>Microphone</b>           |  |
|   |   | Directional Response        | Cardioid                                     |
|   |   | Sensitivity                 | 49.5dB+ 2dB @ 1kHz (0dB=1V/pa)               |
|   |   | Impedance                   | 1.6K Ω + 3-% @ 1kHz                          |
|   |   | Frequency Response          | 150Hz - 10500Hz                              |
| <b>STS-S61</b><br>Flush Mounted Speaker<br><br><b>STS-M56</b><br>Flush Mounted Microphone | Dimensions:<br>Height - 4.69"<br>Width - 2.57"<br>STS-S61 Depth - 1.87"<br>STS-M56 Depth - 0.78"<br><br>STS-S61 Weight: 0.92lbs<br>STS-M56 Weight: 0.35lbs<br>Construction: Mild Steel<br>Finish: Powder Coated Grey Leatherette or Black Textured                | <b>Speaker (STS-S61)</b>    |  |
|   |   | RMS                         | 5W   |
|   |   | Impedance                   | 4 Ω  |
|   |   | Output                      | SPL 1W @ 1M 85dB                             |
|   |   | Frequency Response          | 150Hz - 10300Hz                              |
|   |   | <b>Microphone (STS-M56)</b> |  |
|   |   | Directional Response        | Omni-Directional                             |
|   |   | Sensitivity                 | -42.5 ± 2.0dB @ 1kHz (0dB=1V/pa)             |
|   |   | Impedance                   | 2K Ω +/- @ 1KHz                              |
|   |   | Frequency Response          | 100Hz - 5000Hz                               |
| <b>PS-55</b><br>Power Supply  | Dimensions:<br>Height - 1.38"<br>Width - 2.08"<br>Depth - 3.92"<br><br>Cable length: 70.87"<br>Weight: 0.51lbs<br>Construction: ABS Case<br>Finish: Black   | Input                       | 100-240V 50-60Hz 1A max                      |
|   |   | Output                      | 14V 2.14A 30W max                            |
| <b>IL-AE99</b><br>Loop Aerial   | Dimensions: To be moulded on site to required size by installer<br>Weight: 0.19lbs<br>Construction: Copper wire with PVC casing<br>Finish: Black  |                             |  |