



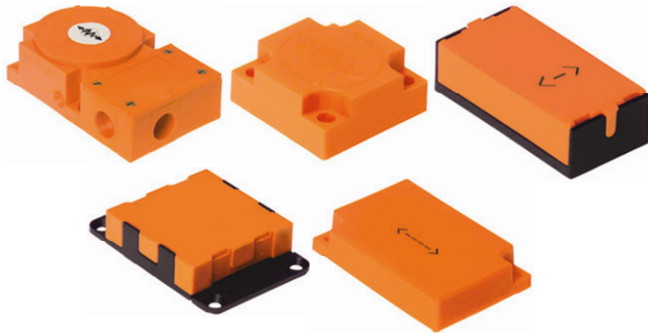
GIE Tag Series

Industrial Read/Write Tags

512 Byte/2K Byte/8K Byte

Passive Industrial RFID Tags

Orange Product Range

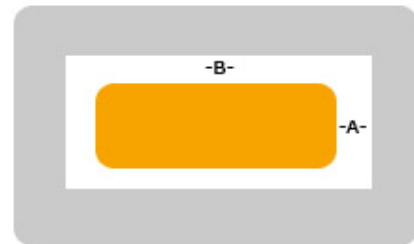


Common Tag Characteristics

- Read/Write
- No needed power source (Passive Technology)
- Ferro-Electric Ram
- 10¹⁰ Write Cycles, Unlimited Reads
- Typical R/W Time 25 ms Instruction + 5 ms per Byte
- -25°C up to 85°C Operating Temperature
- Rilsan Housing with Urethane Potting
- IP 65 Case Rating (GIE-931 is IP-67)

Tag Environment

- GIE Series tags can be mounted recessed in metal, as long as a metal free clearance on the sides of the tag is observed.
- Please use the chart below to see specific metal clearance tolerances for each GIE Tag.



Transceiver Compatibility Chart

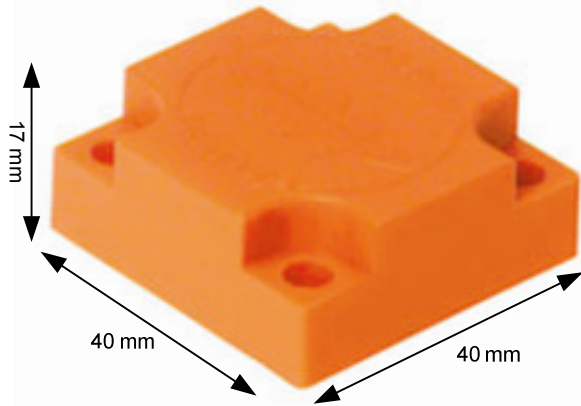
| Tag Style | ERA-85 | ERA-80 | ERO-71 | ERO-85 | ERO-100 | ERO-80 | TLEB-891 | Memory | Metal Clearance |
|-----------|--------|--------|---------|--------|---------|--------|----------|-------------|-----------------|
| 711 | -- | -- | 20 mm | 55 mm | 55 mm | -- | 23 mm | 512, 2K, 8K | A and B ≥ 10 mm |
| 731 | -- | -- | 12.5 mm | 45 mm | 45 mm | -- | 15 mm | 512, 2K | A and B ≥ 10 mm |
| 831 | 30 mm | 28 mm | 25 mm | 80 mm | 80 mm | 120 mm | -- | 512, 2K, 8K | A and B ≥ 10 mm |
| 851 | 35 mm | 40 mm | -- | 100 mm | 100 mm | 160 mm | -- | 512, 2K, 8K | A and B ≥ 30 mm |
| 931 | -- | -- | 25 mm | 80 mm | 80 mm | 100 mm | 45 mm | 512, 2K, 8K | A and B ≥ 10 mm |

Distance Between Tags and Other Information

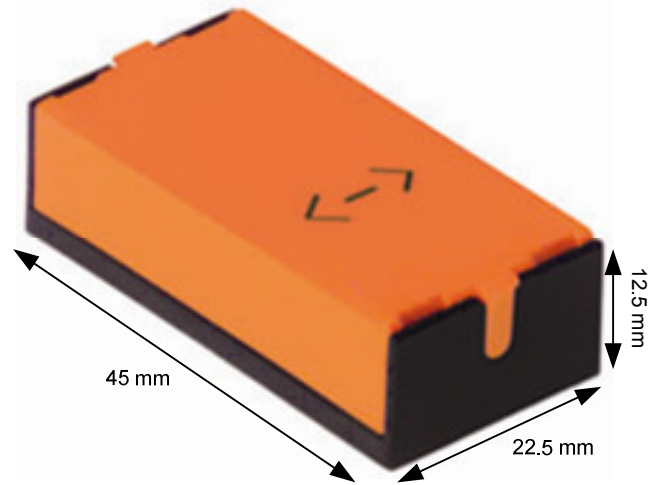
| Tag Style | ERA-85 | ERA-80 | ERO-71 | ERO-85 | ERO-100 | ERO-80 | TLEB-891 | Weight | |
|-----------|--------|--------|--------|--------|---------|--------|----------|--------|--|
| 711 | -- | -- | 100 mm | 200 mm | 200 mm | -- | 100 mm | 35 g | |
| 731 | -- | -- | 56 mm | 140 mm | 140 mm | -- | 60 mm | 25 g | |
| 831 | 100 mm | 340 mm | 80 mm | 220 mm | 220 mm | 240 mm | 110 mm | 100 g | |
| 851 | 120 mm | 400 mm | -- | 300 mm | 300 mm | 400 mm | -- | 450 g | |
| 931 | 100 mm | 340 mm | 80 mm | 220 mm | 220 mm | 340 mm | 110 mm | 100 g | |

GIE Tags

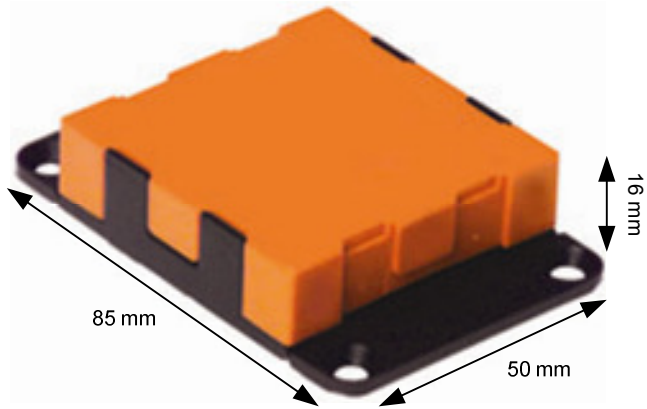
GIE-711



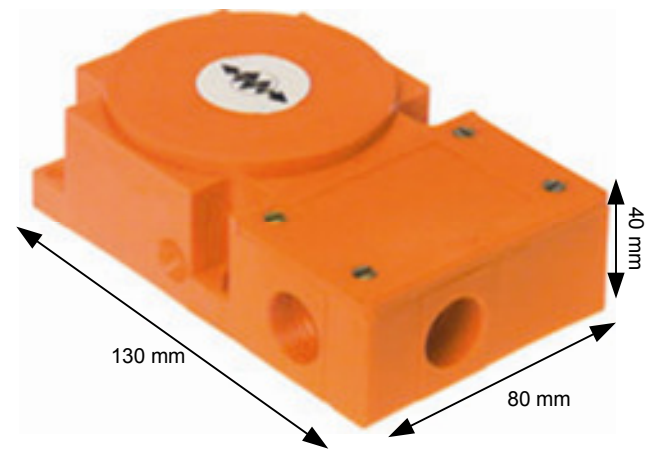
GIE-731



GIE-831



GIE-851



GIE-931

