

Alco Controls™

AMI / MIA / CIA Moisture Indicators

Technical Bulletin

The **AMI / MIA / CIA** series of Moisture Indicators are designed to monitor the moisture content within the liquid line of a refrigeration system.

MIA and CIA series with stainless steel body and extended copper tube connections are fully hermetic products without the use of any gasket.

AMI is a highly serviceable product with exchangeable lens assembly and indicator element. available in various configurations including saddle type.

Features

- Maximum working Pressure PS:
 - AMI: 35 bar
 - MIA: 45 bar
 - CIA: 60 bar for subcritical CO₂
- Crystal indicator element for long lifetime and reliability
- Highest sensitivity moisture indicator available
- Indication of dryness according to ASERCOM recommendation
- Easy determination of moisture content with calibrated four colors
- Large clear viewing area
- AMI sight glass with grooves to distinguish between pure liquid and pure vapor






AMI



MIA/CIA

Selection table

| For tube outside diameter | |  AMI-1 | Part No. |  MIA | Part No. |  CIA | Part No. |
|---------------------------|-------|---|----------|---|----------|---|----------|
| mm | inch | | | | | | |
| 6 | | AMI-1 TT2 MM | 805697 | MIA M06 | 805880 | CIA M06 | 805914 |
| | 1/4 | AMI-1 TT2 | 805655 | MIA 014 | 805883 | CIA 014 | 805910 |
| 10 | | AMI-1 TT3 MM | 805698 | MIA M10 | 805881 | CIA M10 | 805915 |
| | 3/8 | AMI-1 TT3 | 805654 | MIA 038 | 805884 | CIA 038 | 805911 |
| 12 | | AMI-1 TT4 MM | 805699 | MIA M12 | 805882 | CIA M12 | 805916 |
| | 1/2 | AMI-1 TT4 | 805653 | MIA 012 | 805885 | CIA 012 | 805912 |
| 16 | 5/8 | AMI-1 TT5 | 805652 | MIA M16 / 058 | 805886 | CIA M16 / 058 | 805913 |
| 22 | 7/8 | AMI-1 TT7 | 805656 | MIA 078 | 805887 | | |
| 28 | | AMI-1 TT9 MM | 805700 | MIA M28 | 805891 | | |
| | 1 1/8 | AMI-1 TT9 | 805651 | MIA 118 | 805892 | | |
| 10 | | | | MIA M10S female/male | 805888 | | |
| 12 | | | | MIA M12S female/male | 805889 | | |