



Product Regulatory Matrix - Temperature Measurement and Gas Sensing

| Product Family | Product Type | Model/PN | CE* | UL | CSA | FM NA + CDN | ATEX | IEC | IECEX | BAR 97 | OIML R 99 | HART | FDA Annual Laser Rpt. | FDA Medical Device |
|------------------|--------------------------|--|-----|----|-----|----------------|------|-----|-------|--------|--------------|------|--------------------------|--------------------------|
| Thermal Imaging | Portable Thermal Imaging | Spyglass, Viewport | | X | | | | | | | | | | |
| Thermal Imaging | Fixed Thermal Imaging | MC320, MCS640 (formerly M9200) | X | | | | | | | | | | | |
| Thermal Imaging | ThermalSpection | 724 | X* | | | | | | | | | | | |
| Thermal Imaging | ThermalSpection | CVM | X* | | | P | P | P | P | | | | | |
| Thermal Imaging | BoilerSpection | MB, SD | X* | | | | | | | | | | | |
| Thermal Imaging | FurnaceSpection | MB, SD | X* | | | | | | | | | | | |
| Pyrometry | E ² T | Pulsar 4 | X | X | X | X | X | X | X | | | X | | |
| Pyrometry | E ² T | Quasar M8100-EXP | X | X | X | | X | | | | | | | |
| Pyrometry | E ² T | Quasar 2 | X | X | X | X | X | X | X | | | | | |
| Pyrometry | Portable - Impac Brand | IS 8, IGA 8, IGA 15, IGA 315-K | X | | | | | | | | | | X** | |
| Pyrometry | Fixed - Impac Brand | IGA 740, Series 5, 6, 12, 50, 140, 210, 300/310, 320, 510/520, 2000, 3000, ISR 6 | X | | | | | | | | | | X** | |
| Pyrometry | Fixed - Mikron Brand | M67S | X | | | | | | | | | | | |
| Pyrometry | UV Pyro | UV 400 | X | | | | | | | | | | | |
| Pyrometry | UV Pyro | UVR 400 | X | | | | | | | | | | | |
| Pyrometry | UV Pyro | Photrix | X | | | | | | | | | | | |
| Fiber Optic | FOT | FOT Lab Kit | X | | | | | | | | | | | |
| Fiber Optic | FOT | M92X | X | | | | | | | | | | | |
| Fiber Optic | WTS | TA2 | X | | | | | | | | | | | |
| Gas (Instrument) | PAS-Instrument | 1314i, 1412i | X | | X | | | X | | | | | | |
| Gas (Instrument) | PAS-Instrument (Energy) | 1512 | X | | X | | | X | | | | | | |
| Gas (Instrument) | PAS-Instrument (Energy) | 3731 (SF ₆) | X | | | | | X | | | | | | |
| Gas (Instrument) | PAS-Instrument | 3433 | X | | X | | | X | | | | | | |
| Gas (Instrument) | NDIR | 1316 | X | | | | | X | | | | | | |
| Gas (Instrument) | MUX/Doser/Sampler | 1403 | X | | | | | X | | | | | | |
| Gas (Instrument) | MUX Sampler | 1409 | X | | | | | X | | | | | | |
| Gas (Module) | DIR-Module | 4850 Service Only | | | | | | | | | | | | |
| Gas (Module) | NDIR-Module | 65XX | | | | | | | | X | X | | | |

*CE Conforming

*Only the camera inside

**If laser aiming

P = dependent on purge system supplied

CE Certified Blackbodies

| P/N | Description |
|--------------|--|
| 14750-4 | M340, -20...150 °C, 51 mm, 115 VAC @ 50 & 60 Hz |
| 14750-5 | M340, -20...150 °C, 51 mm, 230 VAC @ 50 & 60 Hz |
| 14750-4J | M340, -20...150 °C, 51 mm, 100 VAC @ 50 & 60 Hz, (Japan) |
| 14750-4C | M340, -20...150 °C, 51 mm, 115 VAC @ 50 & 60 Hz, with option. Calibration port |
| 14750-5C | M340, -20...150 °C, 51 mm, 230 VAC @ 50 & 60 Hz, with option. Calibration port |
| 14760-111202 | M310HT, Ambient 5...450 °C, 76 mm, 115 VAC @ 50 & 60 Hz, RS232, North American cable |
| 14760-221212 | M310HT, Ambient 5...450 °C, 76 mm, 230 VAC @ 50 & 60 Hz, RS232, German cable |
| 18680-3 | M300, 200...1150 °C, 51 mm, RS232, 230 VAC @ 50 & 60 Hz |
| 14430-1 | M300, 200...1150 °C, 51 mm, RS232, 230 VAC @ 50 & 60 Hz |
| 14430-2 | M305, 100...1000 °C, 25 mm, RS232, 230 VAC @ 50 & 60 Hz |
| 18670-1 | M330-US, 300...1700 °C, 25 mm, 208...240 VAC, 50 & 60 Hz, (North America) |
| 3 801 200 | M330-EU, 300...1700 °C, 25mm, RS232, 230VAC, 50 Hz |
| 14900-1 | M335, 300...1500 °C, 16.5 mm, RS232, 115 VAC @ 50 & 60 Hz |
| 14900-2 | M335, 300...1500 °C, 16.5 mm, RS232, 230 VAC @ 50 & 60 Hz |
| 14029-A2 | M390-A2, 600...2300 °C, 25 mm, 208...230 VAC @ 50 & 60 Hz |
| 14029-B2 | M390-B2, 600...2600 °C, 25 mm, 208...230 VAC @ 50 & 60 Hz |
| 14029-C2 | M390-C2, 600...3000 °C, 25 mm, 208...230 VAC @ 50 & 60 Hz |
| 14029-L1 | M390-L1, 300...2000 °C, 25 mm, 208...230 VAC @ 50 & 60 Hz |

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| 14960-4 | M315HT, Ambient 5...450 °C, 76 mm, 115 VAC @ 50 & 60 Hz |
| 14960-3 | M315HT, Ambient 5...450 °C, 76 mm, 230 VAC @ 50 & 60 Hz |
| 19180-4 | M315X4, Ambient 5...400 °C, 101x101 mm, RS232, 115 VAC |

| P/N | Description |
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| 19180-1 | M315X4, Ambient 5...400 °C, 101x101 mm, RS232, 230 VAC |
| 19230-1 | M315X4HT, Ambient 5...600 °C, 101x101 mm, RS232, 230 VAC @ 50 & 60 Hz |
| 19230-3 | M315X4HT, Ambient 5...600°C, 101x101 mm, RS232, 115 VAC @ 50 & 60 Hz, |
| 19100-3 | M315X6, Ambient 5...400 °C, 152x152 mm, RS232, 115 VAC |
| 19100-4 | M315X6HT, Ambient 5...600°C, 152x152 mm, RS485, 230 VAC @ 50 & 60 Hz, |
| 19200-5 | M315X8HT, Ambient 5...600 °C, 203x203 mm, RS232, 230 VAC @ 50 & 60 Hz |
| 18769-3 | M315X12HT, Ambient 5...600°C, 305x305 mm, RS232, 230 VAC @ 50 & 60 Hz, (EU) |
| 18769-4 | M315X12HT, Ambient 5...600°C, 305x305 mm, RS232, 208 VAC @ 50 & 60 Hz, (North America) |
| 17100-4 | M345X4, -5...170 °C, 101x101 mm, RS232, 115 VAC @ 50 & 60 Hz |
| 17100-5 | M345X4, -5...170 °C, 101x101 mm, RS232, 230 VAC @ 50 & 60 Hz |
| 17100-4D | M345X4D, -50...170 °C, 101x101 mm, RS232, 115 VAC @ 50 & 60 Hz, Differential BBS ** |
| 16770-2 | M345X6, -5...170 °C, 152x152 mm, RS232, 115 VAC @ 50 & 60 Hz, |
| 16770-3 | M345X6, -5...170°C, 152x152 mm, RS232, 230 VAC @ 50 & 60 Hz |
| 20214-2 | M345X6-LC, -40...100°C, 152x152 mm, RS232, 230 VAC @ 60 Hz |

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| 17435-4 | M345X8, -5...170 °C, 203x203 mm, RS232, 115 VAC @ 50 & 60 Hz |
| 17435-7 | M345X8, -5...170 °C, 203x203 mm, RS232, 230 VAC @ 50 & 60 Hz |
| 16700-11 | M345X12, 0...150 °C, 305x305 mm, RS232, 115 VAC @ 50 & 60 Hz |
| 16700-22 | M345X12, 0...150 °C, 305x305 mm, RS232, 230 VAC @ 50 & 60 Hz |
| 14920-1 | M360, 50...1100 °C, 25 mm, RS232, 115 VAC @ 50 & 60 Hz |
| 14920-2 | M360, 50...1100 °C, 25 mm, RS232, 230 VAC @ 50 & 60 Hz |

| P/N | Description |
|-----------|---------------------------------------|
| 18519-1 | M390-S, 600...3000 °C, 25 mm, 240 VAC |
| 3 891 130 | IRC 45, 45 °C, 50.8 mm, 230 VAC |
| 3 891 140 | IRC 70, 70 °C, 50.8 mm, 230 VAC |
| 3 891 150 | IRC 75, 75 °C, 50.8 mm, 230 VAC |
| 3 891 160 | IRC 95, 95 °C, 50.8 mm, 230 VAC |
| 3 891 170 | IRC 100, 100 °C, 50.8 mm, 230 VAC |
| 3 891 180 | IRC 110, 110 °C, 50.8 mm, 230 VAC |
| 3 891 410 | IRC 120, 120 °C, 50.8 mm, 230 VAC |
| 3 891 190 | IRC 140, 140 °C, 50.8 mm, 230 VAC |
| 3 891 200 | IRC 150, 150 °C, 50.8 mm, 230 VAC |

NON-CE Certified Blackbodies

| P/N | Description |
|---------|--|
| 14499 | M316, Ambient 5...300°C, 57 mm, 115 VAC @ 50 & 60 Hz |
| 14499-2 | M316, Ambient 5...300°C, 57 mm, 230 VAC @ 50 & 60 Hz |