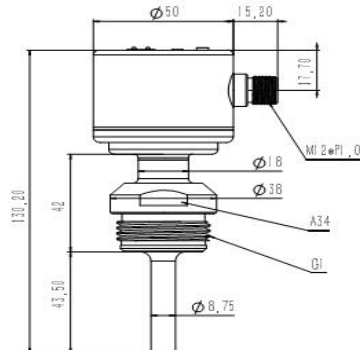
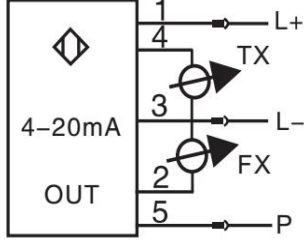


|                                                                                                                                                                                                               |                                                                                           |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------|
| <p>FL3205</p> <p>Sanitary Flow + Temp Sensor</p> <p>Stainless Steel Housing</p> <p>Seal Plus structure</p> <p>Connection: External thread G1</p> <p>Programmable</p> <p>3 digit display</p> <p>M12 socket</p> |         |
| Applications                                                                                                                                                                                                  | Liquid and gas                                                                            |
| Electric design                                                                                                                                                                                               | DC 2 x 4-20 mA                                                                            |
| Output                                                                                                                                                                                                        | 4-20 mA                                                                                   |
| Supply voltage[V]                                                                                                                                                                                             | 20...36 DC                                                                                |
| Reverse polarity protection                                                                                                                                                                                   | Yes                                                                                       |
| Current consumption[mA]                                                                                                                                                                                       | <80                                                                                       |
| Programming options                                                                                                                                                                                           | Window function, Output setting,<br>High/Low switching point setting, °C/°F, Unit display |
| Operating temperature[°C/°F]                                                                                                                                                                                  | -40...150/-40...302                                                                       |
| Accuracy of display[°C/°F]                                                                                                                                                                                    | 0.5/1                                                                                     |
| Max. temperature drift[K/min]                                                                                                                                                                                 | 300                                                                                       |
| Pressure resistance[bar]                                                                                                                                                                                      | 300                                                                                       |
| Liquid temperature[°C/°F]                                                                                                                                                                                     | -25...95/-13...203 (140°C 1H)                                                             |
| Liquid setting range[cm/S]                                                                                                                                                                                    | 3...300                                                                                   |
| Max sensitivity of range for liquid[cm/S]                                                                                                                                                                     | 3...100                                                                                   |
| Gas temperature[°C/°F]                                                                                                                                                                                        | -25...95/-13...203 (140°C 1H)                                                             |
| Gas setting range[cm/S]                                                                                                                                                                                       | 200...3000                                                                                |
| Max sensitivity of range for gas[cm/S]                                                                                                                                                                        | 200...800                                                                                 |
| Startup time[s]                                                                                                                                                                                               | < 8                                                                                       |
| Output response time[s]                                                                                                                                                                                       | < 2                                                                                       |
| Ambient temperature[°C/°F]                                                                                                                                                                                    | -25...80/-13...176                                                                        |
| Protection/Enclosure Rating                                                                                                                                                                                   | IP69K                                                                                     |
| Dimensions[mm]                                                                                                                                                                                                |       |

|                                                                            |                                                                                    |
|----------------------------------------------------------------------------|------------------------------------------------------------------------------------|
| Certification                                                              | FDA                                                                                |
| ESD EN61000-4-2                                                            | 6kV-CD / 8kV-AD                                                                    |
| EFT EN61000-4-4                                                            | 2kV                                                                                |
| Walkie talkie experiment[mm]                                               | < 10                                                                               |
| Shock resistance[g]                                                        | 50                                                                                 |
| Vibration resistance[g]                                                    | 20                                                                                 |
| Upper cover material                                                       | Stainless steel 316L                                                               |
| Lower cover material                                                       | Stainless steel 304                                                                |
| Probe material/Wetted Parts                                                | Stainless steel 316L                                                               |
| Function Display                                                           | Flow : 10 x 3 colors LED / Temp : 3 digit segment                                  |
| Connection                                                                 | M12 socket                                                                         |
| Wiring                                                                     |  |
| Core color<br><br>Pin 1=BN<br>Pin 2=WH<br>Pin 3=BU<br>Pin 4=BK<br>Pin 5=RD |                                                                                    |
| Note*                                                                      | Use sanitary adapter to upgrade to IP69K (Optional accessory)                      |



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