



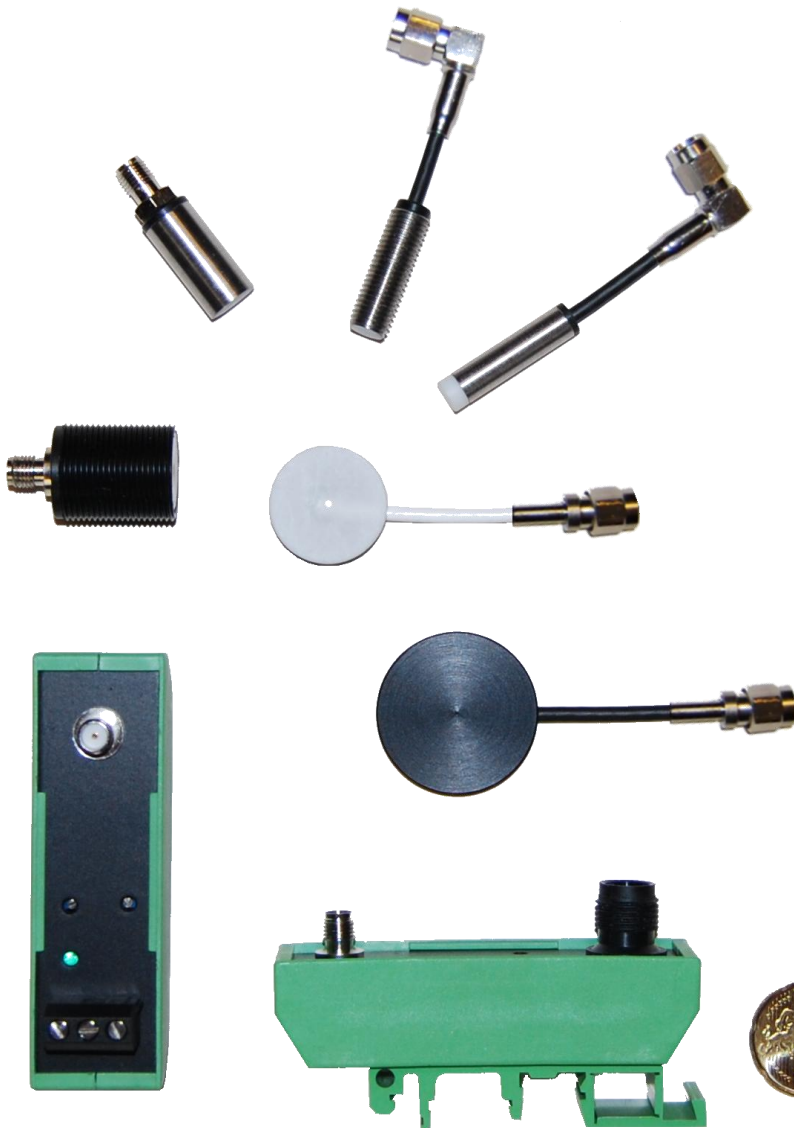
## ULTRA SENSOR Line Introduction

A Premier line of Ultra unique sensors with an in-line amplifier, for applications with restricted spacing or small part detection requiring an adjustable sensing distance.

**QUICK - EASY – CONSISTANT  
RELIABLE and AFFORDABLE.**

## SENSORS AND SENSING DISTANCE

- Smooth and Threaded Barrel Housing Versions starting from M8 (M4 & M5 coming soon)
- Disc Type Versions
- Liquid Level Probes coming soon
- Measuring ranges up to 15mm (depending on sensor size and form factor)
- Hysteresis (Resolution) < 0.1 mm
- Shielded Coaxial Cable Connection
- Special housing and cable materials from PVC, POM, PTFE (Teflon)
- Uses reliable SMA Threaded connectors



## AMPLIFIER(S)

- Adjustable Switchpoint
- Supply Voltage Range 10..30VDC
- Special Functionality Amplifier
- DIN Rail housing
- 1 Ch. Switching Output PNP, NPN or Push Pull
- Screw Terminal Versions
- M12 connector Version

## CONTACT

iSEMcon LLC  
P. O. Box 607  
Sylvania, OH 43560-0607  
Phone: 1-877-309-1002  
Fax: 1-419-517-5007  
sales@iSEMcon.com

iSEMcon GmbH  
Alexanderstr. 66  
68519 Viernheim, Germany  
Phone +49 6204 911 24 91  
Fax +49 6204 911 24 91  
sales@iSEMcon.com



## SENSORS

### Small Type, embedded cable:

- Stainless Steel – PTFE housing
- Diameter 6.5 or M8
- Max. 1.5 or 3mm sensing
- Length 25mm flush or 28mm non-flush
- 2m coaxial cable w/ SMA connector



03026002A	CF-1.5-D6.5x25/VA/PTFE-SAC-2mPVC-SMA
04027002A	CN-3-D6.5x28/VA/PTFE-SAC-2mPVC-SMA
03028002A	CF-1.5-M8x25/VA/PTFE-SAC-2mPVC-SMA
04029002A	CN-3-M8x28/VA/PTFE-SAC-2mPVC-SMA

### Medium size, connector version with separate cable:

- Stainless Steel – PTFE or insulated POM plastic housing
- Build-in SMA receptacle
- For use with separate cable
- 4mm or 8mm sensing



03030002A	CF-4-D10x22/VA/PTFE-SAC-SMAf
03031001A	CF-8-M18x22/POM-SAC-SMAf

## ASSOCIATED CABLES

- SMA straight both ends
- SMA straight & SMA right angle
- 2m Standard Cable length

091AA1140	SC-SMAss/PVC-2m
091AA1240	SC-SMAsr/PVC-2m

### DISC Type Versions:

- Disc type sensors with highest sensing range up to 15mm flush
- Available with PVC or Teflon cable
- FEP cable when sensor height is 3mm or less



03032001A	CF-15-D30x5/VA/POM-SAC-2mPVC-SMA
03033002A	CF-8-D22x5/VA/PTFE-SAC-2mPVC-SMA

## SWITCHING OUTPUT AMPLIFIER

Terminal or M12-Connector Version

- 10...30VDC supply range
- > 100mA switching capability
- NPN-PNP or PushPull
- NO or NC
- Power and Switch Signal LED
- DIN Rail mounting



07034016TA SA-1CHS-RAIL76x23/ABS-PNO-3ST  
070340165A SA-1CHS-RAIL76x23/ABS-PNO-M12m

## APPLICATIONS

- Small Part and position detection
- Assembly process monitoring
- Deposited material selection (e.g. glue)



## ANALOG OUTPUT AMPLIFIER

Uses same size and type sensor as switching output amplifier. Analog output signal gives you more information about your application than any switching output for e.g. series quality evaluation. long and short term application stability testing. Use your own control equipment for signal evaluation and statistical signal processing.



- 10...30VDC supply range
- Analog voltage output
- Power LED
- DIN Rail mounting