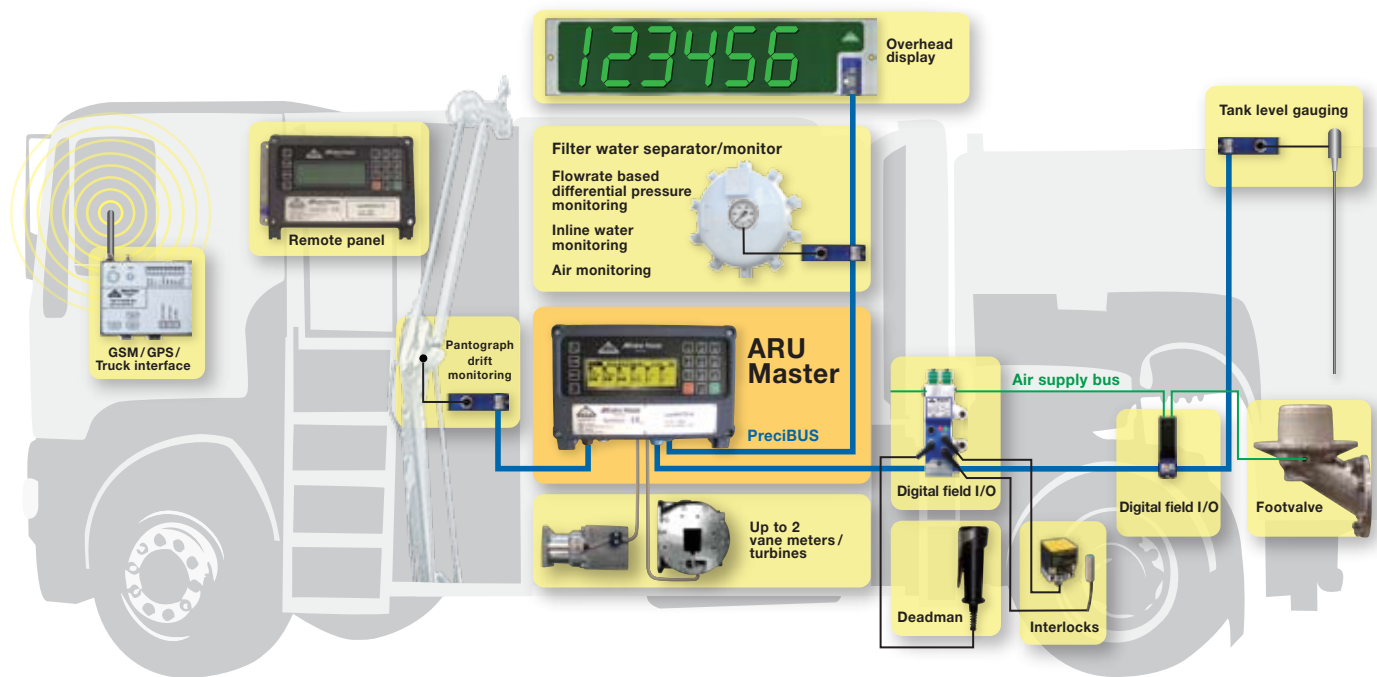


Alfons Haar now implements state of the art bus technology also in aircraft refueling applications

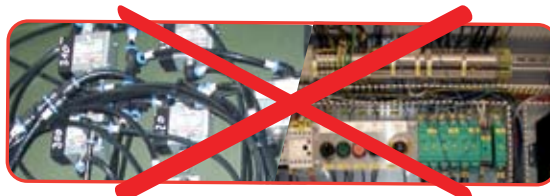


FEATURES

- Master and secondary meter head
- Flow rate based differential pressure monitoring for filter water separator/monitor
- Water detecton for filter water monitor
- Pantograph drift monitoring
- Dead man monitoring
- Interlock monitoring
- Overhead display
- Electronic tank level gauging
- Electronic valve control
- Truck interface (FMS automotive standard)
- Radio interface (EN 15969 standard)

ADVANTAGES

- Full scalability, no PLC needed
- Reduced installation, improved transparency and simplification of maintenance, no terminal boxes, plug-in wiring



No more boxes!

- Cost and weight reduction due to reduced number of components and very light weight devices
- Simple and safe configuration of the complete system on PC
- Safe operation by menu-based navigation, status indicators and remote display
- Future-proof by full compliance with international standards and unrestricted upgrading

PreciCONTROL

APPLICATION: AIRCRAFT REFUELING



PreciNODE C 14/03

The sensor/actor module PreciNODE monitors and controls the fittings on the truck:

- Fits on every standard flange, no drilling, no tapping (fast and safe)
- Reduced pneumatic installation by integrated solenoid valves
- 90% less power consumption conserves truck battery especially in winter
- NAMUR inputs, potted electronics, manipulation-safe

TECHNICAL DATA

Dimensions: WxHxD 82x198x33mm
 Protection class: > IP 67
 4 NAMUR inputs,
 3 solenoid valve outputs

PreciBUS

The AH PreciBUS offers among others the following advantages:

- ATEX approved for Zone 1
- In-line connections and piercing technology result in minimum wiring effort, no terminal boxes, no bolting
- The PreciBUS members can be contacted at any position of the bus cable
- Special AH bus cables prevent from reverse polarity
- Power and communication within one cable
- Easily extendable, any bus topology is possible

PreciNODES

Among the classic PreciNODE C modules with various input and output configurations the following PreciBUS members are offered:

- | | |
|-----------------------------------|----------------------------|
| Mini I/O Module (1 NAMUR input) | PreciNODE M11 |
| Mini I/O Module (1 pneum. output) | PreciNODE M01 |
| Analog Input Module (4-20mA) | PreciNODE AI 4-20mA |
| Overhead display | PreciNODE OD5 |
| LED Illumination Module | PreciNODE M Lux white/blue |
| 2-Axis Inclination Sensor | PreciNODE M Inclino |