Intrinsic Safety Barrier (ISB)
Installation of ISB in Control Cabinet
“Gas Meter ⇒ PLC”

Scope of supply Ritter:
- Gas meter
- Pulse Generator
- Intrinsic Safety Barrier (ISB)
- Cable-1
- Cable-2 with open ends at PLC side

Ritter Gas Meter & Ex-Pulse Generator (PG 2.0-Ex)

Cable-1

Intrinsic Safety Barrier (ISB) for max. 2 meters

24 V DC Power Supply

Control Cabinet

Input
Power
Output

Cable-2

PLC system (user)
(data acquisition system)

EX-area

Non EX-area
Intrinsic Safety Barrier (ISB)
Installation of ISB in Separate Casing
“Gas Meter ⇒ PLC”

Scope of supply Ritter:
- Gas meter
- Pulse Generator
- Intrinsic Safety Barrier (ISB)
- 24 V power supply (PS)
- Casing
- Cable-1
- Cable-2 with open ends at PLC side

Ritter Gas Meter & Ex-Pulse Generator (PG 2.0-Ex)

EX-area

Non EX-area

24 V DC Power Supply

Input

Power

Output

Cable-1

Cable-2

Intrinsic Safety Barrier (ISB) for max. 2 meters

Intrinsic Safety Barrier (ISB)
Installation of ISB in Separate Casing
“Gas Meter ⇒ PLC”

Combi-module (PS/ISA)
Casing: Polycarbonate, grey, 182x180x90 mm
Casing, delivered by Ritter
Intrinsic Safety Barrier (ISB)
Installation of ISB in Control Cabinet
"Gas Meter ⇒ PC / Rigamo"

Scope of supply Ritter:
- Gas meter
- Pulse Generator
- Intrinsic Safety Barrier (ISB)
- Digital Input Module
- Cable-1
- Cable-2
- Cable-3 (USB)

EX-area

Ritter Gas Meter & Ex-Pulse Generator (PG 2.0-Ex)

Non EX-area

Intrinsic Safety Barrier (ISB) for max. 2 meters

24 V DC Power Supply

Control Cabinet

Input
Power
Output

Digital Input Module

Cable-3 (USB)

Cable-1

Cable-2

PC with "Rigamo" Software
Intrinsic Safety Barrier (ISB)
Installation of ISB in Separate Casing
“Gas Meter ⇒ PC / Rigamo”

Scope of supply Ritter:
- Gas meter
- Pulse Generator
- Intrinsic Safety Barrier (ISB)
- Casing
- 24 V power supply (PS)
- Digital input module
- Casing
- Cable-1
- Cable-2
- Cable-3 (USB)

EX-area

Ritter Gas Meter & Ex-Pulse Generator (PG 2.0-Ex)

Non EX-area

Intrinsic Safety Barrier (ISB) for max. 2 meters
24 V DC Power Supply

Input
Power
Output

Digital Input Module

Cable-2

Cable-3 (USB)

Combi-module (PS/ISA/DIM)
Casing: Polycarbonate, grey, 182x180x90 mm
Casing, delivered by Ritter

PC with “Rigamo” Software
Intrinsic Safety Barrier (ISB)
Installation of ISB in Separate Casing
“Gas Meter ⇒ EDU 32-FP”

Scope of supply Ritter:
- Gas meter
- Pulse Generator
- Intrinsic Safety Barrier (ISB)
- 24 V power supply
- Casing
- Cable-1
- Cable-2
- EDU 32-FP

Ritter Gas Meter & Ex-Pulse Generator (PG 2.0-Ex)

24 V DC Power Supply

Intrinsic Safety Barrier (ISB) for max. 2 meters

Combi-module (PS/ISA)
Casing: Polycarbonate, grey, 182x180x90 mm
Casing, delivered by Ritter

EDU 32-FP