

- L LABORATORY
- P PROCESS
- S SOFTWARE
- A AUTOMATION



SCHMIDT
HAENSCH
innovators by tradition since 1864

iPR-Ex

Process Refractometer



SPECIFICATIONS

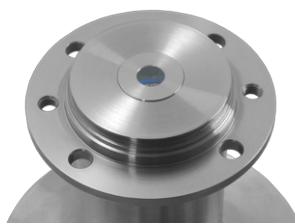
iPR-Ex Measuring Head

Standards	ATEX Ex II 1G Ex ia IIC T4 IEC in preparation
Measuring range	1.32000 - 1.52000 RI
Resolution	0.00001 RI
Precision	± 0.00014 RI
Ambient/storage temperature	- 20° to + 65°C
Temperature sample	- 20° to + 120°C, with cooling by cooler circuit only, electronic max. +65°C
Temperature resolution/precision	0.01°C / ±0.2°C (0° to 70°C)
Pressure	0 to 1 MPa
Wetted parts	Sapphire (prism), stainless steel, FKM
Light source / wavelength	LED, 589 nm
Housing	IP67
Connection flange	Apv®, others on request
Interfaces/Connection	ModBus, RS485 and 24V with external Zener barriers
Dimensions / Weight	330mm x 149mm (length x diameter) / 9600g

SPECIFICATIONS

iPR-Ex Control Unit

Operation	1 and 2 measuring headsets are available, connectable with built-in Zener barriers
Display	7" Touchscreen
Interface	Ethernet
DIN rail parts (expandable)	Switch inputs (24 V) and outputs (24 V / relay / 4-20mA) / Communication (RS232 / RS485), CAN, UPC Server
Highlights	Configuration of measuring head and outputs / Adjust switching thresholds and analog outputs / Concentration and other scales user programmable
Power	85V ... 265V 50/60Hz
Housing	IP65



**SCHMIDT
HAENSCH**
innovators by tradition since 1864

Schmidt + Haensch GmbH & Co.
Waldstraße 80-81, 13403 Berlin, Germany
Tel: + 49 (0 30) 417072-0, Fax: + 49 (0 30) 417072-99
sales@schmidt-haensch.de, www.schmidt-haensch.com



ISO 9001:2015