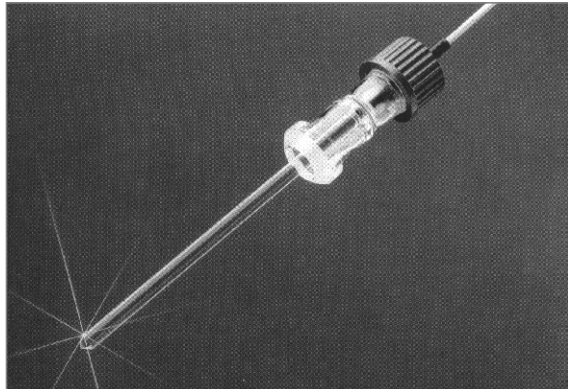


Laboratory Transducer	Product group	720		
	Type	0042		
Optoelectronic liquid Level limit sensor completely made of glass	Page:	1/1	Revision:	4
	Date:	4/05		



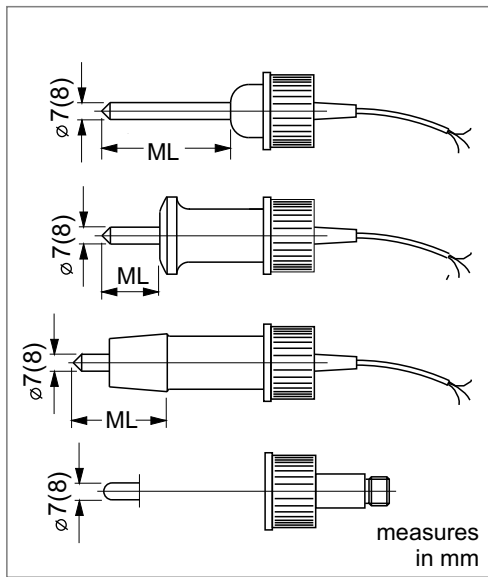
Version:
spherical
flange KF,
Level
sensor,
cable
connection

Field of application

This Optoelectronic limit sensor is for signalling liquid level and interface limits. A big advantage is that to a great extent the optoelectronic sensor works independently of physical properties such as density, dielectric constant, conductivity or colour. The very compact construction only needs a minimum of space and also enables it to measure very small volume levels.

General Data

Measuring accuracy:	±0,5 mm
Difference of Refractive Index for interface measurement min.:	0,01 R.I.
Light source:	IR-light 930 nm
Minimum distance Sensor tip to any opposite wall:	>10 mm
Measuring length ML maxl for Duran:	250 mm
for Quartz:	500 mm
Mounting direction:	any
Controller necessary:	Switch amplifier type 720.0250
Weight:	0.1 kg +1.3 g/cm ML



Design

Stopper rod,
Level sensor,
Cable connection

Connection spherical
flange from
KF15,
Level sensor,
Cable connection

Connection
Conic plug from
NS19/26,
Level sensor,
Cable connection

Interface sensor
Plug connector

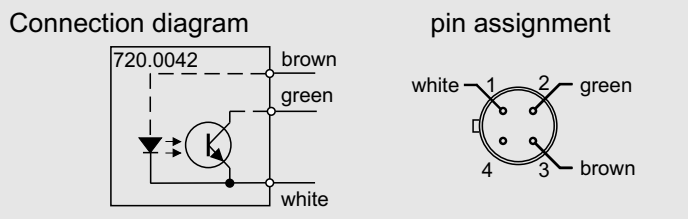
measures
in mm

Design Data

Operating temperature:	- 60 to +250 °C
Ambient temperature:	-25 to +95 °C
Operating pressure:	0 - 0,5 MPa (0 - 5 bar)
Material Sensor-housing and sensor:	Quartz/Duran
Material light guide:	Quartz/Duran
Material screw-cap:	Plastics

Electrical Data

Power supply:	see controller Type 720.0250
Connection:	PVC-cable 3*0,14 mm2 or 4 pole plug serie 713
Ingress protection acc. to EN 60529 with plug: with cable:	IP 65 IP 67



subject to alterations

Order No. **720.0042XVAR-XXXX**

Measure	Interface	I						
	Level	L						
Glass material	Duran		D					
	Quartz		Q					
electr. connection	Cable			K	X			
	Plug			S				
								e. g. 1=1 m
								Cable length in m

PHÖNiX
 Messtechnik GmbH
 Salzschlirfer Straße 13
 D-60386 Frankfurt/M.
 Tel. +49/69/41 67 42 -20
 Fax +49/69/41 67 42 - 29
 sales@phoenix-mt.com
 www.phoenix-mt.com

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