



Level



Pressure



Flow



Temperature



Liquid
Analysis



Registration



Systems
Components



Services



Solutions

Proservo

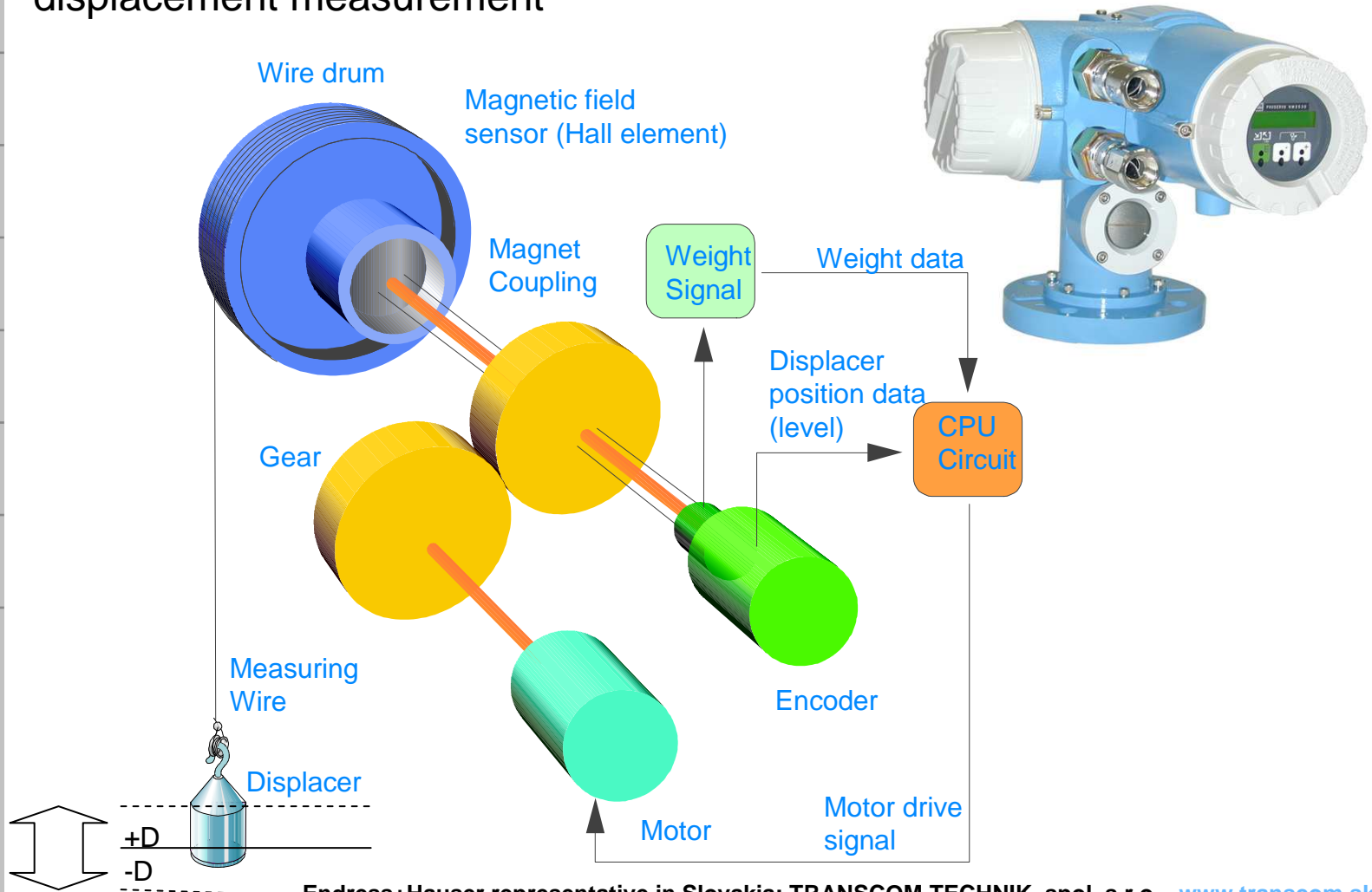
Tank Gauging

Endress+Hauser 

People for Process Automation

Proservo operating principle

The Proservo NMS 53x is based on the principle of displacement measurement



Proservo technical information

■ Proservo NMS 53x

- Measures liquid level to an accuracy of ± 0.7 mm (0.03")
- Measures two clear interface levels and specific gravity of up to three liquid phases
- Latest micro-technology resulted in a simple, lightweight and compact design
- Tank atmosphere is completely separated from the electronic compartment
- Tank top mounting with 76 mm (3") flange weighing only 12 kg (26 lbs.) (aluminum version)
- Wide range of input and output signals available



Proservo features

■ Proservo NMS 53x Features:

- Two line illuminated liquid crystal display
- Matrix driven operation
- Configuration is simple without additional tools
- Using only three keypads
- All parameters can be selected and modified



■ For example:

- operation - level; interface; specific gravity, tank bottom
- current output
- relay output
- custody transfer
- maintenance prediction
- calibration

No handheld terminal

No calibration chamber





Proservo applications

■ Proservo NMS 53x Typical applications

- LPG/LNG
- Light Hydrocarbons
- Chemicals
- Water / chemical interface measurement
- Alcohols & beverages

■ Measurement functions including:

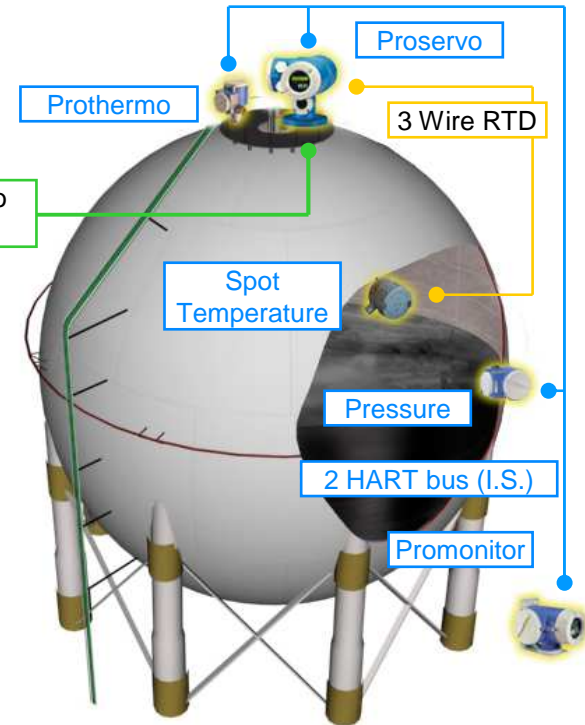
- Liquid level
- Interface level
- Density



Proservo applications

■ Information to System from Proservo

- Level
- Interface level - 2 max.
- Density - 3 max.
- Tank bottom
- Product temperature
- Vapor temperature
- Pressure data



Note! A system without spot temperature can have a Maximum of 4 HART Devices

Note! Additional Operational contact outputs from Proservo included Level, Up, Stop & Interface



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Worldwide Service and Support

Exclusive Endress+Hauser representative in Slovakia:

TRANSCOM TECHNIK, spol. s r.o.

výhradné zastúpenie Endress+Hauser pre SR

Bojnická 18

P.O.BOX 25

830 00 BRATISLAVA 3

Tel.: 02-3544 8810

Tel: 02-3544 8800

Fax.:02-3544 8898

Fax.:02-3544 8899

Email: info@transcom.sk

Web: www.transcom.sk

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