Why choose this technology — Same transmitter can be used for numerous applications (Thus, little monitoring) Contact/Non-Cantact Measurement Contact Contact		Selection Guide - Level Instrumentation	Differential Pressure (d/p) / Hydrostatic Low priced/economical Most popular/well understood Wide measurement range independent of obstacles	d/p Cell • Most popular/well	• Based on well-known d/p cell technology • One transmitter with three measurement outputs (6)	Ability to measure density Very robust and rugged High Temp. (932°F / 500°C) / High Pressure (7251 psig / 500 barg) Not affected by Not affected by	Economical Versatile connection to tank - doesn't require flanged connection Keeps transmitter away from hot processes	Easy mounting position Independent of media Wide measurement range Quick and easy setup	Easy mounting position Independent of media Wide measurement range Quick and easy setup
Unjud level measurement with changing density Limited (1) Limited (3) Limited (3) Limited (3) Limited (3) Limited (3) Good Good (1) Limited (7) Limited (8) Ilmited (1) Limited (1) Limited (2) (3) Limited (3) Good Good (1) No No No No No No No N			be used for numerous applications (flow,	also be used for		interface	d/p cell technology • No worry about process liquid crystallizing in		
Second Contents Co	Ф								noncontact
Measuring volume Limited Limited Limited Good Good Good Limited Good Good Good Limited Good Good Good Limited Limited Limited Good Good Good Limited Limited Limited Good Good Good Limited Limited Good Good Good Limited Good Good	Installation Media Conditions	density							Good
Measuring volume Limited Limited Limited Good Good Good Limited Good Good Good Limited Good Good Good Limited Limited Limited Good Good Good Limited Limited Limited Good Good Good Limited Limited Good Good Good Limited Good Good									Limited (7)
Applications with foam Good Good Good Limited Good Good Limited Solids n/a n/a n/a n/a n/a n/a Good Good Good Good Good Good Good Goo		,					. ,		No
Solids n/a n/a n/a n/a n/a n/a n/a n/a Good Good Good High viscosity or waxy fluids Limited (1) Limited (1) Limited (1) Limited (1) Limited (1) Limited Limited Limited Good Good Good Limited Good Good Good Good Good Good Good Go									Good
High viscosity or waxy fluids									Limited
Slurries Limited (1) Good Good Good Good Good Good Good Goo		Solids	n/a	n/a	n/a	n/a			Good
Low dielectric <2.0 Good Good Good Good Good Good Good Goo		High viscosity or waxy fluids	Limited (1)	Limited (1)	Limited (1)	Limited	Limited	Limited	Good
Low dielectric <2.0 Good Good Good Good Good Good Good Goo		Slurries	Limited (1)	Limited (1)	Limited (1)	Limited	Limited	Limited	Good
Low dielectric <2.0 Good Good Good Good Good Good Good Goo		Wavy/turbulence	Good	Good	Good	Limited	Limited	Good	Good
Temperature up to 572°F (300°C) Good (4) Good (4) Good (4) Good (4) Good (4) Good (500 No Good Good No No Good Good Limited Good No Good Good Good No Good Good No Good Good No Good Good Good No Good Good No Good Good No Good Good Good No No Good Good No No Good Good No N		Corrosive media (15)	Limited (1)	Limited (1)	Limited (1)	Good	Good	Limited	Good
Vacuum pressure Good No Good Good Good No Good Good Good Good Good Good Limited Good No No Good Good Limited Good No No Good Good Limited Good No No Good Good Good Limited Good No Good Go		Low dielectric <2.0	Good	Good	Good	Good	Good	Good	Good
Pressure up to 1450 psig (100 barg) Agitator/obstacles in way of measurement Good Good Limited Good No Good Enclosed (not vented to atmosphere) vessel Compatible with threaded connection Good Good Good Good No Good Good Uses process flanged connection Good Good Good Good No Good Good Connects to diaphragm seal/pressure seal Good Good Good No n/a No n/a Installed with instrument/hydraulic tubing Good Good Good No		Temperature up to 572°F (300°C)	Good (4)	Good (4)	Good (4)	Good	Good	Good	No
Agitator/obstacles in way of measurement Good Good Good Limited Good No Good Good Recipied Good Good Good Good Good Good Good Go		Vacuum pressure	Good	No	Good	Good	No	Good	Good
Compatible with threaded connection Good Good Good Good No Good Good Good G		Pressure up to 1450 psig (100 barg)	Good	Good	Limited	Good	No	No	Good
Compatible with threaded connection Good Good Good Good No Good Good Good G		Agitator/obstacles in way of measurement	Good	Good	Good	Limited	Good	No	Good
Uses process flanged connection Good Good Good Good No Good Good Good No Good Good		Enclosed (not vented to atmosphere) vessel	Good	Limited (5)	Good	Good	No	Good	Good
Connects to diaphragm seal/pressure seal Good Good Good n/a No n/a n/a Installed with instrument/hydraulic tubing Good Good Good n/a Good n/a Good n/a Good n/a n/a n/a Good n/a n/a Good n/a n/a n/a Offers sanitary connection available Good Good Good n/a No No No No Top of tank connection/entry n/a n/a n/a Good Good Good Good Good Good Good Goo		Compatible with threaded connection	Good	Good	Good	n/a	Good	Good	Good
Installed with instrument/hydraulic tubing Good Good Good n/a Good n/a Good n/a n/a n/a Manifold connection available Good Good Good n/a Good n/a Good n/a n/a n/a Good n/a n/a n/a Good n/a n/a n/a Good n/a n/a n/a Good n/a No		Uses process flanged connection	Good	Good	Good	Good	No	Good	Good
Installed with instrument/hydraulic tubing Good Good Good n/a Good n/a Good n/a n/a No No No No No Side/top of tank connection/entry n/a n/a n/a n/a Limited Good Good Good Good Good Good Good Go		Connects to diaphragm seal/pressure seal	Good	Good	Good	n/a	No	n/a	n/a
Manifold connection available Good Good n/a Good n/a No No No No No No Side/top of tank connection/entry n/a n/a n/a n/a Limited Good Good Good Good Good Good Good Go		Installed with instrument/hydraulic tubing	Good	Good	Good	n/a	Good	n/a	n/a
Offers sanitary connection and fill fluids (Tri Clamp, Tank Spud) Top of tank connection/entry Side/top of tank connection/entry n/a n/a n/a n/a n/a n/a No No No No No No No No No N		Manifold connection available	Good	Good	Good	n/a	Good	n/a	n/a
Top of tank connection/entry n/a n/a n/a Good Good Good Good Good Good Good Goo	onnec		Good	Good	Good	n/a	No	No	No
Side/top of tank connection/entry n/a n/a n/a Limited Good Good Go	Process C		n/a	n/a	n/a	Good	Good	Good	Good
		Side/top of tank connection/entry	n/a	n/a	n/a	Limited	Good	Good	Good
Side/bottom of tank connection/entry Good Good Good No Good n/a n/		Side/bottom of tank connection/entry	Good	Good	Good	No	Good	n/a	n/a
Bottom of tank connection/entry Good Good Good No Good n/a n/a		Bottom of tank connection/entry	Good	Good	Good	No	Good	n/a	n/a

- (1) refer to MI 020-328
- (2) requires use of two transmitters at known distance or dp or multivariable with diaphragm seals at known distance
- (3) refer to MI 020-369
- (4) do not direct mount transmitter next to high temperature process; remote mounting may be necessary to keep transmitter electronics below 185 F
- (5) requires use of two gauge or absolute transmitters level calculation is completed in DCS or PLC
 (6) recommend accessory: HIM Smart HART Loop Interface and Monitor available from Schneider Electric PN# HIM-HART
- (7) must be used as a system with differential pressure or mulitvariable transmitter and PID controller such as SCADAPack™ 4102



Schneider Electric Systems USA, Inc. 38 Neponset Ave. Foxboro, MA 02035 www.se.com/us/level

Purchasing, Pricing, Lead Times, Ordering Information find your local representative at www.buyautomation.com/OfficeLocator/

Global Customer Support Inside U.S.:1-866-746-6477 Outside U.S.:1-508-549-2424 Email: fielddevices-support@se.com