

AGAR CORPORATION

Process Measurement & Control



ID-200H Series

2 Wire Loop Powered Interface Detector with HART

**SYSTEMS: ID-201H (½ Inch Shaft)
ID-202H (1 ¼ Inch Shaft)
with Integrated HART Communication Capability**

Description

The *ID-200H Series Interface Detectors* are 2 wire 4-20mA loop powered probes used for interface measurement and control in all types of liquid/liquid and vapor/liquid separation processes including emulsions and foam. A wide range of models are available for the control of a variety of process installations such as Tanks, Decanters, Dehydrators, Coalescers, etc. The *ID-200 Series* advanced control capabilities can be used to automate upset responses, antifoam and demulsifier chemical feed systems and eliminate cross-contamination of separating phases.

Operating Range

Emulsion Concentration:	0-100% Hydrocarbon/ Water by Volume
Process Temperature:	Standard: 32°F to 300°F (0°C to 149°C) High-Temp: 32°F to 450°F (0°C to 232°C)
Ambient Temperature:	-40°F to 185°F (-4°C to 85°C)
Pressure Rating:	Up to 3000 PSI

Materials Of Construction

Probe:	Standard:	316 Stainless Steel, Teflon & Peek
	Optional:	Duplex, Hastalloy, Monel (Others available upon request)
Seals:	Standard:	Aflas and Teflon
	Optional:	Viton

NACE compliant

Optional Process Connection

SH-2"/SS:	2" NPT Seal Housing, 316 Stainless Steel
SH-2"/CS:	2" NPT Seal Housing, Carbon Steel
CF-3/4"/SS:	3/4" NPT Compression Fitting, 316 Stainless Steel
CF-3/4"/CS:	3/4" NPT Compression Fitting, Carbon Steel
Flanged Connections:	ANSI 150# to 1500#



ID-201H Components: Probe and Seal Housing

www.agarcorp.com


Model Variations


ID-201: 1/2" shaft Standard: 48" (4 Ft.) Minimum: 12" (1 Ft.) Maximum: 120" (10 Ft.)

ID-202: For probe lengths greater than 10 feet, sturdier 1-1/4" shaft assemblies from 5 foot sections via threaded connections.

Electrical Rating

ID-201, ID-202 Probe: Intrinsically Safe: Class 1, Div.1, Groups C & D, T3C

ATEX:  II 1G Ex ia IIB T4 Ga (-40°C<Ta<+85°C)

 II 1G Ex ia IIC T5 Ga (-40°C<Ta<+65°C)

Wiring Connections: Probe Terminal Block #18 AWG Maximum Diameter

Power Requirements: 12VDC to 30VDC

Current: 3.9mA to 21mA

Output Options

ID-201, ID-202: 4 - 20mA Loop Powered HART

CERTIFICATIONS


CSA-US Canadian Standards Association/UL Specifications


ATEX European Committee for Electrical Standardization


GOST-R Russian Approval for Hazardous Areas and Accuracy


JRIIS Japanese Research Institute of Industrial Safety


HEADQUARTERS - CAYMAN ISLAND: Agar Corporation, LTD • P.O. Box 10206 • Grand Cayman, BWI KY1-1002 • Tel: (345) 945-5242 • ACL@agarcorp.com


 **USA** Agar Corporation; 5150 Tacoma Drive; Houston, TX 77041; Tel: (832) 476-5100; Fax: (832) 476-5299; ACI@agarcorp.com


 **CANADA** Agar Canada Corp; Unit 120, 3510 29th St NE; Calgary, AB T1Y7E5; Tel: (403) 718-9880; Fax: (403) 450-8350; Sales@agarcorp.ca


 **COLOMBIA** Agar Colombia; SAS Carrera 19 No. 19-13, Of. 304; Bogotá, Colombia; Tel: +57 1 646-965; Ventas@agarcolumbia.co


 **ECUADOR** Agarcorporation Ecuador C.A.; Av. 12 de Octubre; N24-739 y Av. Colon Edif. Torre Boreal; Piso 6, Oficina 609; Quito Ecuador; Tel: +593 2 6007370; Ventas@rcorpecuador.com

 **INDONESIA** Pt Agar Indonesia; JL Rafflesia No. 3 Blok C A19 Ciputat Baru; 15413 Ciputat Indonesia; Tel: +62-21-740-9210; PTAI@agarcorp.com

 **MALAYSIA** Agarcorp Sdn Bhd, ACSB; Jalan 5/106, Bandar Sri Permaisuri; A-4-1, Plaza Dwtiasik; 56000 Kuala Lumpur; Malaysia; Tel: +603-9171 7069; Fax: +603-9173 8069; ACSB@agarcorp.com

 **SAUDI ARABIA - AI Khobar** Agar Corporation Ltd; Nayef Building no-01 (Flat no -10); Prince Nayef Street/22nd St cross; Al Shamaliyah, Al Khobar; Saudi Arabia; Tel: 966-501066418; ACSA@agarcorp.com

 **SAUDI ARABIA - Jeddah** Agar Corporation Ltd; Al Faisaliah Building; Imam Abdul Aziz Street; Jeddah - 21753; Saudi Arabia; Tel: 966-501066418; ACSA@agarcorp.com

 **UAE** Agar Corporation (ACAD); 1505, Three Sails Tower; Corniche, Khalidiya; Abu Dhabi, UAE; Tel: 971-2681-1150; ACAD@agarcorp.com

 **VENEZUELA** Agarcorp de Venezuela C.A.; Avenida Jesus Subero; El Tigre, Anzoategui; 6050 Venezuela; Tel: +58-261-324-5789; ADV@agarcorp.com

AGAR CORPORATION

© Agar Corporation Inc. All rights reserved. Specifications may be changed without notice.

www.agarcorp.com

ER No. 5485: ACI-A-7.2-DOC-027 Rev 01