

# Conductivity/Resistivity probes with two electrodes

## Models 8315 / 8316 / 8317



k = 0.01  
(8315)



k = 0.1  
(8316)



k = 1  
(8317)



Stainless steel  
Flow-through chamber  
(8318.1)

data sheet

### Applications

- Pure water production monitoring (ion exchangers, distillators)
- Process water monitoring  
(condensates, cleaning cycles, heat exchangers)

### Benefits

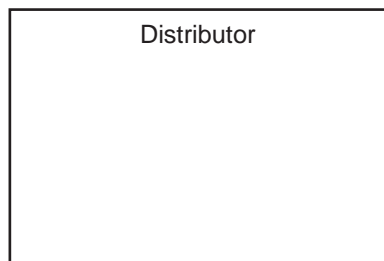
- Mechanical and chemical strength
- IP65 protected connector cable (100°C continuous, 150°C max.)
- Wide measuring range
- Cell constant determined according to ISO 7888 and ASTM D 1125
- Quick response time
- Built-in temperature sensor

Headquarters:  
6, route de Compois  
C.P. 212  
CH1222 Vérenaz, Geneva  
Switzerland

Tel. +41 22 855 91 00  
Fax +41 22 855 91 99  
salesinfo@hachultra.com



This publication is not intended to form the basis of a contract and the company reserves the right to amend the design and specifications of the instruments without notice.

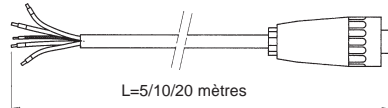


HUA\_TE8315revD.qxd

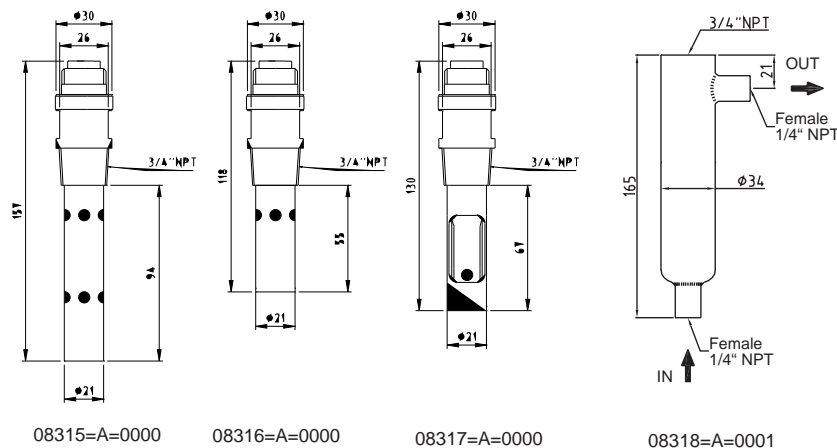


## Specifications

### 1- Cables



### 2- Accessories



### ■ Model

Sample	8315 / 8316	8317
Tmax.	150°C (302°F) at 25 bar (362.5 psi)	150°C (302°F) at 25 bar (362.5 psi)
Pmax.	25 bar (362.5 psi) at 150°C (302°F)	25 bar (362.5 psi) at 150°C (302°F)
Mounting	in 3/4" NPT threading	in 3/4" NPT threading

### ■ Materials

Model	8315 / 8316	8317
Body (upper part)	SSt 316L	SSt 316L
Internal electrode*	SSt 316L	Graphite
External electrode*	SSt 316L	Graphite
Insulator*	PES	PES
O-ring*	VITON®	VITON®
Connector	Glass Polyester / IP65	Glass Polyester / IP65

\* Part in contact with fluid

VITON® is a registered trademark of E.I. DUPONT DE NEMOURS and Co.

### ■ Measuring range

Cell constant (K)	9125 transmitter	8920/8964/8964 (Y) transmitters
0.01 cm <sup>-1</sup>	0.01µS/cm–200µS/cm	0.01µS/cm–100µS/cm
0.1 cm <sup>-1</sup>	0.1µS/cm–2mS/cm	0.1µS/cm–1mS/cm
1 cm <sup>-1</sup>	1µS/cm–20mS/cm	1µS/cm–10mS/cm

The cell constant is determined within -/+2% accuracy.

### ■ Accessories

#### • cables

Model	Length	Part number
8319.5	5 m/16 ft	08319=A=0005
8319.10	10 m/33 ft	08319=A=0010
8319.20	20 m/66 ft	08319=A=0020

#### • Flow-through chamber

Tmax.	150°C, 25 bar (302°F, 362.5 psi)
Pmax.	25 bar, 150°C (362.5 psi, 302°F)
Connections	1/4" NPT threading
Material	Stainless steel 316L