

# Temperature/Water-Holdup/Flowmeter (HTF01,HTF02) Titan Division | Instruments

## Overview

This combination tool incorporates a capacitance sensor for measuring water hold-up in fluid and a fast-response platinum sensor for measuring temperature. The tool bottom is intended for attaching to a flowmeter mechanical section for flow rate measuring. The data from three sensing sections are all processed in the electronics section in this combination tool.

## Application

- Water holdup measurement for fluid composition
- Location of leaks and crossflow by temperature sensor
- Quantitative measurement of flowrate

## Specifications

Model	HTF01	HTF02
OD	35mm (1 3/8")	43mm (1 11/16")
Max Working Temperature	177°C (350°F)	177°C (350°F)
Max Working Pressure	103MPa (15,000psi)	103MPa (15,000psi)
Weight	2kg (4.4lb)	2kg (4.4lb)
Cable	Mono-conductor	Mono-conductor
Operating Voltage	18V (WSTbus)	18V (WSTbus)
Operating Current	45mA±3mA	45mA±3mA
Water Holdup Measuring Range	0-45%	0-45%
Water Holdup Measuring Accuracy	0.01	0.01
Temperature Measuring Range	0 - 175°C	0 - 175°C
Temperature Measuring Resolution	0.01°C	0.01°C
Temperature Measuring Accuracy	± 2°C	± 2°C
Response Time	< 0.5S	< 0.5S
Flowrate Output	10 Pulses/Resolution	10 Pulses/Resolution
Logging Speed	> 400 m /h	> 400 m /h

