

Measuring devices

FTC130



Transmitter for extractive gas analysis

Precise analysis of (quasi-) binary gas mixtures

- Easily operated using RS232 interface
- Analysis by means of thermal conductivity for up to 16 (quasi-) binary mixtures in one device, easy adaption to a new measurement task
- Output current 4-20mA, potential free
- With covered push-buttons for calibration in the field



FTC160



Transmitter for non-extractive gas analysis

Precise analysis of (quasi-) binary gas mixtures

- For direct attachment to a tank or line (M30x1,5), the process gas diffuses in the detector
- Easily operated using RS232 interface
- Analysis by means of thermal conductivity for up to 16 (quasi-) binary mixtures in one device, easy adaption to a new measurement task
- Output current 4-20mA, potential free



Measurement components and ranges

Measurement components and ranges for FTC400, FTC300, FTC160 and FTC130

Note: All measuring ranges are given in Vol.%

Measurement Component	Carrier Gas	Basic Range	Smallest Range	Smallest Range with suppressed Zero Point	Multi Gas Mode MGM
H ₂	N ₂ or air	0% - 100%	0% - 0.5%	98% - 100%	Yes
O ₂	N ₂	0% - 100%	0% - 15%	85% - 100%	Yes
He	N ₂ or air	0% - 100%	0% - 0.8%	97% - 100%	Yes
CO ₂	N ₂ or air	0% - 100%	0% - 3%	96% - 100%	Yes
N ₂	Ar	0% - 100%	0% - 3%	97% - 100%	Yes
O ₂	Ar	0% - 100%	0% - 2%	97% - 100%	Yes
H ₂	Ar	0% - 100%	0% - 0.4%	99% - 100%	Yes
He	Ar	0% - 100%	0% - 0.5%	98% - 100%	Yes
CO ₂	Ar	0% - 60%	0% - 10%	-	Yes
Ar	CO ₂	40% - 100%	-	80% - 100%	Yes
CH ₄	N ₂ or air	0% - 100%	0% - 2%	96% - 100%	Yes
CH ₄	Ar	0% - 100%	0% - 1.5%	97% - 100%	Yes
Ar	O ₂	0% - 100%	0% - 3%	96% - 100%	Yes
N ₂	H ₂	0% - 100%	0% - 2%	99.5% - 100%	Yes
O ₂	CO ₂	0% - 100%	0% - 3%	96% - 100%	Yes
H ₂	He	20% - 100%	20% - 40%	85% - 100%	
H ₂	CH ₄	0% - 100%	0% - 0.5%	98% - 100%	
H ₂	CO ₂	0% - 100%	0% - 0.5%	98% - 100%	
SF ₆	N ₂ or air	0% - 100%	0% - 2%	96% - 100%	
NO ₂	N ₂ or air	0% - 100%	0% - 5%	96% - 100%	
H ₂	O ₂	0% - 100%	0% - 4%	97% - 100%	
Ar	Xe	0% - 100%	0% - 3%	99% - 100%	
Ne	Ar	0% - 100%	0% - 1.5%	99% - 100%	
Kr	Ar	0% - 100%	0% - 2%	96% - 100%	
R125	N ₂ or air	0% - 100%	0% - 4%	98% - 100%	

Table 1

Measurement components and measuring ranges for FTC300HT (High Temperature)

Measurement Component	Carrier Gas	Basic Range	Smallest Range	Smallest Range with suppressed Zero Point	Multi Gas Mode MGM
CO ₂	Ar	0% - 100%	0% - 8%	70% - 100%	Yes
NH ₃	N ₂	0% - 70%	0% - 3%	55% - 70%	Yes
C ₂ H ₄	N ₂	0% - 100%	0% - 10%	60% - 100%	Yes
H ₂ O	N ₂	0% - 20%	0% - 4%	16% - 20%	

Table 2

In addition all measurement and carrier gases given in table 1 are also available