



FA 510/515 – 高性能固定式露點計

FA 510/515 精準量測壓縮空氣和氣體中的殘留水分/露點測量



主要應用:

- 吸附式乾燥機，膜式乾燥機，冷凍式乾燥機後方，壓縮空氣中的露點監測
- 量測各式氣體中的殘留水分/露點監測，如氧氣、氮氣、氫氣、SF6氣體等...
- 塑膠工業中顆粒乾燥機後的殘留水分/露點監測

建議選購:

安裝測量頭穩流器，壓縮空氣

壓力可達16 bar。

優點：安裝快速隨插即測。

產品優勢:

- 高精準度、穩定度，使用壽命長
- 類比輸出4 ... 20 mA
- 管線冷凝不影響測量穩定度及精度
- 反應時間快速
- 耐壓高達350 bar (選購配件)
- NEW：數位訊號 Modbus RTU接口
- NEW：由於評估電子設備的改進，傳感器訊號的分辨率更高
- NEW：搭配CS服務軟體或CS攜帶式多功能記錄器，立即在現場進行傳感器量測及調整
- 藉由 Modbus通訊，可接收到以下資訊:
 - Pressure dew point [° Ctd.]
 - Temperature [° C]
 - Rel. humidity [% RH]
 - Abs. humidity [g / m³]
 - Moisture content [g / m³]
 - Moisture content V / V [ppmV / V]
 - Partial vapor pressure [hPa]
 - Atmospheric dew point [° Ctd.atm]

產品型號:	ORDER-NO.
FA 510 dew point sensor for desiccant driers -80°...20°Ctd incl. inspection certificate, 4...20 mA output signal (3-wire connection) and Modbus-RTU interface	0699 0510
FA 515 dew point sensor for desiccant driers -80°...20°Ctd incl. inspection certificate, 4...20 mA output signal (2-wire connection) or Modbus-RTU interface	0699 0515
FA 510 dew point sensor for refrigerated driers -20...50°Ctd incl. inspection certificate, 4...20 mA output signal (3-wire connection) and Modbus-RTU interface	0699 0512
FA 515 dew point sensor for refrigerated driers -20...50°Ctd incl. inspection certificate, 4...20 mA output signal (2-wire connection) and Modbus-RTU interface	0699 0517
Connection cables:	
Connection cable for VA/FA sensors, 5 m	0553 0104
Connection cable for VA/FA sensors, 10 m	0553 0105
Option for FA 510:	
Option: analogue output FA 510, Special version 2...10 Volt	Z699 0510
Options for FA 510/515:	
Option: max. pressure FA 5xx 350 bar	Z699 0515
Option: special scaling FA 5xx 4...20 mA= ... g/m ³ , ppm etc.	Z699 0514
Option: connection thread FA 5xx, 5/8" UNF	Z699 0511
Option: surface condition FA 5xx, free of oil & grease	Z699 0517
Further accessories:	
Standard measuring chamber up to 16 bar	0699 3390
High pressure measuring chamber up to 350 bar	0699 3590
Measuring chamber, stainless steel 1.4305	0699 3290
CS Service Software for dew point sensors incl. PC connection set (Modbus to USB Interface)	0554 2007
Calibration and adjustment:	
Precision calibration at -40°Ctd or 3° Ctd including ISO certificate	0699 3396
Additional calibration point freely selectable	0700 7710

FA 510/515 技術資料	
量測範圍:	-80...20°Ctd or -20...50°Ctd
精準度:	± 1°C to 50...-20°Ctd ± 2°C to -20...-50°Ctd ± 3°C to -50...-80°Ctd
壓力範圍:	-1...50 bar special version up to 350 bar
電源供應:	24 VDC (16...30 VDC)
防護等級:	IP 65
EMV:	according to DIN EN 61326-1
溫度範圍:	-20...70 °C
連接接口:	M12, 5-pole
數位輸出	Modbus-RTU interface (RS 485)
類比輸出:	4...20 mA = -80...20°Ctd 4...20 mA = -20...50°Ctd FA 510: 4...20 mA (3-wire) FA 515: 4...20 mA (2-wire)
類比輸出電阻值:	< 500 Ω
連接螺牙:	G 1/2" optional: UNF 5/8", NPT 1/2"
尺寸大小:	Ø 30 mm, length approx. 130 mm
透過分析軟體可更改以下參數:	
變更單位	% RH, °Ctd, g/m ³ , mg/m ³ , ppm V/V
類比輸出對應	change 4...20 mA