

## ES20 COMPACT SAMPLING SYSTEM (20 barg) 145 psig

The ES20 Compact Sampling System is designed to reliably and accurately measure dew point, or moisture content in a wide variety of industrial gas applications.

Product Parent Code: ES20-M/ES20-I Compact Sampling System (metric units/imperial units) for use with dew-point transmitters		
Product Ordering Code {Feature A}+{Feature B}+{Feature C}+{Feature D}+{Feature E}+{Feature F}+{Feature M}		
Feature	Item	Description
Feature {A}	<b>Base Model</b>	
	ES20 - M	Base unit (Metric units: 6 mm fittings & tubing)
	ES20 - I	Base unit (Imperial units: 1/4 inch fittings & tubing)
Feature {B}	<b>Filter</b>	
	B1	Particulate filter (99.5% removal of 0.1 µm particulates)
	B2	Coalescing filter with drain (99.5% removal of 0.1 µm particulates & aerosols)
Feature {C}	<b>Enclosure</b>	
	C1	No enclosure
	C2	GRP enclosure with window (IP66 / NEMA 4X)
	C3	SS enclosure with window (IP66 / NEMA 4X)
Feature {D}	<b>Pressure</b>	
	D1	Dew point measurement at process or atmospheric pressure ( $\geq 0.2$ barg inlet pressure required)
	D2*	Sub-atmospheric $<0.2$ barg pressure with pump fitted (230 V AC)
	D3*	Sub-atmospheric $<0.2$ barg pressure with pump fitted (110 V AC)
Feature {E}	<b>Plate</b>	
	E1	SS plate no bracket
	E2	SS plate with bracket for monitor
Feature {F}	<b>Options</b>	
	F1**	Transmitter and monitor fitted
	F2***	Transmitter only fitted, no monitor
Feature {M}	<b>Material Certification</b>	
	M1	No certificate
	M2	Material certification to BS EN 10204 – type 3.1
* Feature D2 or D3 can only be included with feature B1		
** Feature F1 can only be included with feature E2		
*** Feature F2 can only be included with feature E1		

### Ordering Example

ES20-M + B1 + C2 + D1 + E2 + F1+M1	ES20 compact sampling system (metric units) for system pressure dew point 20 barg (290 psig), particulates filter, mounted on SS plate with mounting bracket for monitor, GRP enclosure with window and no material certification
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## ES20 COMPACT SAMPLING SYSTEM ACCESSORIES AND SPARE PARTS

Order Codes	Product / Description
SSF-PF-10PK	Pack of 10 particulate filter cartridges (for protection against fine particulates $< 0.1\mu\text{m}$ (for Sampler Kits))
SSF-CF-10PK	Pack of 10 particulates filter cartridges (for protection against fine particulates & aerosols $< 0.1\mu\text{m}$ (for Sampler Kits))
CCM-03	Cooling/venting coil (3m of 6mm tube for cooling sample gas or preventing back diffusion of ambient moisture)
CCI-03	Cooling/venting coil (3m of 1/4" tube for cooling sample gas or preventing back diffusion of ambient moisture)

## ES20 EASIDEW PRO XP SAMPLING SYSTEM

The ES20 Easidew PRO XP Sampling System is designed to reliable and accurately measure dew point, or moisture content in a wide variety of industrial gas applications.

Product Parent Code: ES20-XP-M/ES20-XP-I Sampling System (metric units/imperial units) for use with explosion proof dew-point transmitters		
Product Ordering Code {Feature A}+{Feature B}+{Feature C}+{Feature D}+{Feature E}+{Feature F}+{Feature M}		
Feature	Item	Description
Feature {A}	<b>Base Model</b>	
	ES20-XP-M	Metric units (tube & fittings 6mm)
	ES20-XP-I	Base unit (Imperial units: 1/4 inch fittings & tubing)
Feature {B}	<b>Filter</b>	
	B1	Particulate filter (99.5% removal of 0.1 µm particulates)
	B2	Coalescing filter with drain (99.5% removal of 0.1 µm particulates & aerosols)
Feature {C}	<b>Enclosure</b>	
	C1	No enclosure
	C2	GRP enclosure with window (IP66 / NEMA 4X)
	C3	SS enclosure with window (IP66 / NEMA 4X)
Feature {D}	<b>Pressure</b>	
	D1	Dew point measurement at process or atmospheric pressure (>= 0.2barg inlet pressure required)
Feature {E}	<b>Plate</b>	
	E1	SS plate no bracket
Feature {F}	<b>Options</b>	
	F1	Transmitter with display EX2
	F2	Transmitter, no display EX1
Feature {M}	<b>Material Certification</b>	
	M1	No certificate
	M2	Material certification to BS EN 10204 – type 3.1

### Ordering Example

ES20-XP-M + B1 + C2 + D1 + E1 + F1+M1	ES20 Easidew PRO XP sampling system (metric units) for system pressure dew point 20 barg (290 psig), particulates filter, mounted on SS plate, GRP enclosure with window and no material certification
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## ES20 EASIDEW PRO XP SAMPLING SYSTEM ACCESSORIES AND SPARE PARTS

Order Codes	Product / Description
SSF-PF-10PK	Pack of 10 particulate filter cartridges (for protection against fine particulates < 0.1µm (for Sampler Kits))
SSF-CF-10PK	Pack of 10 particulates filter cartridges (for protection against fine particulates & aerosols < 0.1µm (for Sampler Kits))

Please note: Michell Instruments adopts a continuous development program which sometimes necessitates specification changes without notice. Please contact us for latest version. Issue No: ES20 Sampling System order codes\_97448\_V4\_UK\_1119