

Easidew PRO XP/IS - Promet Trace Moisture in Gases Sampling System

	Product Parent Code: ES70G (North American certification) Easidew PRO XP/IS - Promet Trace Moisture in Gases Sampling System		
Product Orde	ring Code {Feat	ure A}+{Feature B}+{Feature C}+{Feature D}++{Feature M}	
Feature	Item	Description	
Feature {A}	Base Model		
	ES70G-I	Base Unit - Imperial (1/4") tube and fittings	
	ES70G-M	Base Unit - Metric (6mm) tube and fittings	
Feature {B}	Enclosure Type		
	B1	Open panel, 316 stainless steel, for indoor installation in temperature maintained environment	
	B2	Standard outdoor sampling system (304 SS enclosure)	
	B3	Standard outdoor sampling system (316 SS enclosure)	
	B4	Standard outdoor sampling system (304 SS enclosure with window)	
	B5	Standard outdoor sampling system (316 SS enclosure with window)	
Feature {C}	Transmitter Mo		
	C1	Mounting for Easidew PRO XP	
	C2	Mounting for Easidew PRO IS	
	C2 C4	Mounting for Promet IS without pressure transmitter	
Feeture (D)	C6	Mounting for Promet IS with pressure transmitter	
Feature {D}	Filter	Deskinsleter From CC Mark	
	D1	Particulate: 5 µm SS Mesh	
	D2	Coalescing with manual drain (via system vent needle valve)	
	D3	Combined coalescing/oleophobic membrane with continuous drain flow (fast loop) - includes regulator & glass tube flow meter (metal case and protective plastic cover) with integral flow metering valve, 20 barg rated	
	D4	Combined coalescing/oleophobic membrane with continuous drain flow (fast loop) - includes regulator & armoured flow meter with integral flow metering valve, 138 barg rated (Cannot be ordered with Option I3)	
	D5	Combined coalescing/oleophobic membrane with continuous drain flow (fast loop) - includes two stage regulation & armoured flow meter with integral flow metering valve, 138 barg rated	
Feature {E}	Glycol Filter	L	
	E0	No glycol adsorption filter	
	E1	Glycol adsorption filter (Not for use with Option D1)	
Feature {F}	Upstream Gaug		
	F0	No gauge	
	F1	63mm safety pattern - 0-100 barg / 0 - 1,500 psig	
	F2	63mm safety pattern - 0-160 barg / 0 - 2,321psig	
Feature {G}		sure Regulation	
reature 107	_		
	G0	No pressure regulator	
	G1	Single stage pressure regulator - Outlet 0 - 75 barg / 0 - 1089 psig	
	G2	Single stage pressure regulator - Outlet 0 - 8 barg / 0 - 116 psig	
	G3	Two stage pressure regulator - Outlet 0 - 8 barg / 0 - 116 psig	
Feature {H}		ement Pressure Gauge	
	H0	No gauge	
	H1	63mm safety pattern - 0-10 barg / 0 - 150 psig	
	H2	63mm safety pattern - 0-100 barg / 0 - 1,500 psig	
	H3	63mm safety pattern - 0-160 barg / 0 - 2,321psig	
Feature {I}	Downstream P	ressure Regulation	
	10	No pressure regulator	
	I1	Single stage pressure regulator - Outlet 0 - 75 barg / 0 - 1089 psig	
	I2	Single stage pressure regulator - Outlet 0 - 8 barg / 0 - 116 psig	
	I3	Two stage pressure regulator - Outlet 0 - 8 barg / 0 - 116 psig	
Feature {J}	Flowmeter		
	J1	Glass tube flow meter (metal case and protective plastic cover) with integral flow metering valve, 20 barg rated	
	J2	Armoured flow meter with integral flow metering valve, 138 barg rated	
Feature {K}		particulation of the set of the s	
. sucure (nf	K0	No heater	
	K0 K5	100W, 120VAC, with fixed set point thermostat 20°C - NEC Cl1 Div2 Grp B,C,D	
	K6	100W, 120VAC, with fixed set point thermostat 40°C - NEC CI1 Div2 Grp B,C,D (not for use with L7)	



Feature {L}	Enclosure coolin	g (Outdoor systems only)
	LO	No Enclosure Cooling
	L7	Enclosure cooling (mechanical control) for temperature 45°C max. ambient (instrument air supply required)
Feature {N}	Heat Trace Line	(Outdoor systems only)
	N0	No heat trace option
	N1	240VAC 3m trace heated sample line assembly (6mm O.D. AISI 316)
	N2	240VAC 3m trace heated sample line assembly (1/4" O.D. AISI 316)
	N3	110VAC 3m trace heated sample line assembly (6mm O.D. AISI 316)
	N4	110VAC 3m trace heated sample line assembly (1/4" O.D. AISI 316)
		For systems needing > 3m trace heated sample line (max. 15m) - contact Michell Instruments
Feature {M}	Material Certifica	ation
	M0	No material certification
	M1	Material certificate to BS EN 10204 – type 3.1
	M2	Material certificate to BS EN 10204 – type 3.1 + NACE MR0175 Conformity

Ordering Example

ES70G-M +B3+C1+D3+E1+F0+G1+H1 +I0+J2+K0+L0+N0+M0	Base Unit - Metric (6mm) tube and fittings, standard outdoor sampling system (316 SS enclosure), mounting for Easidew PRO XP, Combined coalescing/oleophobic membrane with continuous drain flow (fast loop) - includes regulator & glass tube flow meter (metal case and protective plastic cover) with integral flow metering valve (20 barg rated), glycol adsorption filter, no upsteam gauge, single stage pressure regulator - Outlet 0 - 75 barg/0 - 1089 psig, sensor pressure measurement gauge 63mm Safety Pattern - 0-10 barg/0 - 150 psig, no downstream pressure regulator, armoured flow meter with integral flow metering valve, 138 barg rated, no heater, no cooling, no heat trace, no material certificates
--	--

ES70 ACCESSORIES AND SPARE PARTS

NOTE:	Standard delivery (if no documentation is ordered) will include user manual (hard copy), drawings and certificate (on CD).
-------	--

Order Codes	Product / Description
ES70-MF	Michell standard mounting frame
ES70-SSC	Michell standard mounting frame, 316SS box section construction. Floor standing with sun canopy, with roof and three sides all SS316
Packing options	•
* ES70-PAC1	Packing for Main Unit with Indoor Sampling System (crate for air, sea & road)
* ES70-PAC2	Packing for Main Unit with Outdoor Sampling System (crate for air, sea & road)
* ES70-PAC3	Packing for Mounting Frame and accessories only (crate for air, sea & road)
* ES70-PAC4	Packing for Heat Trace line up to 15m length (crate for air, sea & road)
* ES70-PAC5	Packing for Analyzer with Sun Canopy, with roof and 3 Sides (crate for air, sea & road)
For systems needing > 3	3m trace heated sample line (max. 15m) - contact Michell Instruments
Documentation	
Standard documentation pa Pressure test certificates.	ackage comprises User Manuals (one printed per analyzer system) plus CD ROM containing Ex certificates, Drawing Set, Calibration Certificates and
** ES70-FAT1	One day FAT pre-delivery inspection / or first day of inspection
** ES70-FAT2	Each consecutive day of FAT pre-delivery inspection
** GEN-FAT-ST8	FAT 8 hour stability test
** GEN-FAT-ST12	FAT 12 hour stability test
** GEN-FAT-ST24	FAT 24 hour stability test
* SP-MC	Material Certificates for spare parts
* ES70-DOC	Documentation package (per individual system (to Michell Standard SDR list))
* ES70-DOC-E	Electronic documentation package (per individual system (to Michell Standard SDR list))
* ES70-DOC-ADH	Duplicate of DOC package (each hard copy)
* ES70-DOC-ADS	Duplicate of DOC package (each soft copy (CDROM))
* ES70-DOC-ADE	Duplicate of DOC-E package (on CDROM)
* ES70-DOC-CVDR	Documentation package for customer specific VDR
* ES70-DOC-CP	Document package on customer headed paper (per individual system (to Michell Standard SDR list))
* ES70-DOC-CP-ADH	Duplicate of DOC package on customer headed paper (each hard copy)
* ES70-DOC-CP-ADS	Duplicate of DOC package on customer headed paper (each soft copy (CDROM))
* ES70-DRG	Drawings for approval before build
Service Spares	
GEN-96181	Membrane/Coalescing filter spares kit including O rings
GEN-96106	Particulate filter 5µm SS mesh replacement element
GEN-96028	Replacement Coalescing Filter cartridge, long (pack of 10)
GEIN-90020	Replacement Codlescing Filter califilities, long (pack of 10)



Easidew PRO XP/IS - Promet Trace Moisture in Gases Sampling System

Easidew PRO XP Product Ordering Feature {A} Feature {B} Feature {C} Tr	P/IS - Promet	ATEX/IECEx certification) Trace Moisture in Gases Sampling System re A}+{Feature B}+{Feature C}+{Feature D}++{Feature M} Description Base Unit - Imperial (1/4") tube and fittings Base Unit - Metric (6mm) tube and fittings Open panel, 316 stainless steel, for indoor installation in temperature maintained environment Standard outdoor sampling system (304 SS enclosure) Standard outdoor sampling system (316 SS enclosure) Standard outdoor sampling system (304 SS enclosure with window) Standard outdoor sampling system (316 SS enclosure) Standard outdoor sampling system (316 SS enclosure with window) Standard outdoor sampling system (316 SS enclosure with window) Standard outdoor sampling system (316 SS enclosure with window) Mounting for Easidew PRO XP Mounting for Easidew PRO IS Mounting for Fasidew PRO IS Mounting for Promet IS with local display Mounting for Promet IS with pressure transmitter Mounting for Promet IS with pressure transmitter
Feature Itt Feature {A} Back Feature {B} En Feature {C} Tr	em ase Model ES70G-I ES70G-M nclosure Type B1 B2 B3 B4 B5 ransmitter Mod C1 C2 C3 C3 C4 C5 S	Description Base Unit - Imperial (1/4") tube and fittings Base Unit - Metric (6mm) tube and fittings Open panel, 316 stainless steel, for indoor installation in temperature maintained environment Standard outdoor sampling system (304 SS enclosure) Standard outdoor sampling system (316 SS enclosure) Standard outdoor sampling system (304 SS enclosure) Standard outdoor sampling system (304 SS enclosure) Standard outdoor sampling system (316 SS enclosure with window) Standard outdoor sampling system (316 SS enclosure with window) Standard outdoor sampling system (316 SS enclosure with window) Mounting for Easidew PRO XP Mounting for Easidew PRO IS Mounting for Easidew PRO IS Mounting for Fasidew PRO IS with local display Mounting for Promet IS without pressure transmitter
Feature {A}	ase Model ES70G-I ES70G-M nclosure Type B1 B2 B3 B4 B5 ransmitter Mon C1 C2 C3 C4 C5 Iter	Base Unit - Imperial (1/4") tube and fittings Base Unit - Metric (6mm) tube and fittings Open panel, 316 stainless steel, for indoor installation in temperature maintained environment Standard outdoor sampling system (304 SS enclosure) Standard outdoor sampling system (316 SS enclosure) Standard outdoor sampling system (304 SS enclosure) Standard outdoor sampling system (316 SS enclosure) Standard outdoor sampling system (316 SS enclosure with window) Standard outdoor sampling system (316 SS enclosure with window) Standard outdoor sampling system (316 SS enclosure with window) unt Mounting for Easidew PRO XP Mounting for Easidew PRO IS Mounting for Fasidew PRO IS Mounting for Fasidew PRO IS with local display Mounting for Promet IS without pressure transmitter
Feature {B} Er	ES70G-I ES70G-M nclosure Type B1 B2 B3 B4 B5 ransmitter Mod C1 C2 C3 C4 C5 Ilter	Base Unit - Metric (6mm) tube and fittings Open panel, 316 stainless steel, for indoor installation in temperature maintained environment Standard outdoor sampling system (304 SS enclosure) Standard outdoor sampling system (316 SS enclosure) Standard outdoor sampling system (304 SS enclosure) Standard outdoor sampling system (316 SS enclosure) Standard outdoor sampling system (304 SS enclosure with window) Standard outdoor sampling system (316 SS enclosure with window) Standard outdoor sampling system (316 SS enclosure with window) unt Mounting for Easidew PRO XP Mounting for Easidew PRO IS Mounting for Fasidew PRO IS Mounting for Fasidew PRO IS with local display Mounting for Promet IS without pressure transmitter
Feature {C}	ES70G-M nclosure Type B1 B2 B3 B4 B5 ransmitter Mod C1 C2 C3 C4 C5 Iter	Base Unit - Metric (6mm) tube and fittings Open panel, 316 stainless steel, for indoor installation in temperature maintained environment Standard outdoor sampling system (304 SS enclosure) Standard outdoor sampling system (316 SS enclosure) Standard outdoor sampling system (304 SS enclosure) Standard outdoor sampling system (316 SS enclosure) Standard outdoor sampling system (304 SS enclosure with window) Standard outdoor sampling system (316 SS enclosure with window) Standard outdoor sampling system (316 SS enclosure with window) unt Mounting for Easidew PRO XP Mounting for Easidew PRO IS Mounting for Fasidew PRO IS Mounting for Fasidew PRO IS Mounting for Promet IS with local display Mounting for Promet IS without pressure transmitter
Feature {C}	nclosure Type B1 B2 B3 B4 B5 ransmitter Mor C1 C2 C3 C4 C5 Iter	Open panel, 316 stainless steel, for indoor installation in temperature maintained environment Standard outdoor sampling system (304 SS enclosure) Standard outdoor sampling system (316 SS enclosure) Standard outdoor sampling system (304 SS enclosure) Standard outdoor sampling system (304 SS enclosure) Standard outdoor sampling system (304 SS enclosure with window) Standard outdoor sampling system (316 SS enclosure with window) Standard outdoor sampling system (316 SS enclosure with window) unt Mounting for Easidew PRO XP Mounting for Easidew PRO IS Mounting for Fasidew PRO IS Mounting for Fasidew PRO IS with local display Mounting for Promet IS without pressure transmitter
Feature {C}	B1 B2 B3 B4 B5 cansmitter Mor C1 C2 C3 C4 C5 C5 Ilter	Standard outdoor sampling system (304 SS enclosure) Standard outdoor sampling system (316 SS enclosure) Standard outdoor sampling system (304 SS enclosure with window) Standard outdoor sampling system (316 SS enclosure with window) Standard outdoor sampling system (316 SS enclosure with window) unt Mounting for Easidew PRO XP Mounting for Easidew PRO IS Mounting for Fasidew PRO IS Mounting for Promet IS with local display
	B2 B3 B4 B5 C1 C2 C3 C3 C4 C5 Ilter	Standard outdoor sampling system (304 SS enclosure) Standard outdoor sampling system (316 SS enclosure) Standard outdoor sampling system (304 SS enclosure with window) Standard outdoor sampling system (316 SS enclosure with window) Standard outdoor sampling system (316 SS enclosure with window) unt Mounting for Easidew PRO XP Mounting for Easidew PRO IS Mounting for Fasidew PRO IS Mounting for Promet IS with local display
	B3 B4 B5 C1 C2 C3 C4 C5 Ilter	Standard outdoor sampling system (316 SS enclosure) Standard outdoor sampling system (304 SS enclosure with window) Standard outdoor sampling system (316 SS enclosure with window) unt Mounting for Easidew PRO XP Mounting for Easidew PRO IS Mounting for Fasidew PRO IS Mounting for Promet IS with local display
	B4 B5 ransmitter Moo C1 C2 C3 C4 C5 ilter	Standard outdoor sampling system (304 SS enclosure with window) Standard outdoor sampling system (316 SS enclosure with window) unt Mounting for Easidew PRO XP Mounting for Easidew PRO IS Mounting for Easidew PRO IS Mounting for Promet IS with local display Mounting for Promet IS without pressure transmitter
	B5 ransmitter Moo C1 C2 C3 C4 C5 ilter	Standard outdoor sampling system (316 SS enclosure with window) unt Mounting for Easidew PRO XP Mounting for Easidew PRO IS Mounting for Easidew PRO IS with local display Mounting for Promet IS without pressure transmitter
	ransmitter Moo C1 C2 C3 C4 C5 Iter	Mounting for Easidew PRO XP Mounting for Easidew PRO IS Mounting for Easidew PRO IS with local display Mounting for Promet IS without pressure transmitter
	C1 C2 C3 C4 C5	Mounting for Easidew PRO XP Mounting for Easidew PRO IS Mounting for Easidew PRO IS with local display Mounting for Promet IS without pressure transmitter
Feature {D} Fil	C2 C3 C4 C5 Ilter	Mounting for Easidew PRO IS Mounting for Easidew PRO IS with local display Mounting for Promet IS without pressure transmitter
Feature {D} Fil	C3 C4 C5	Mounting for Easidew PRO IS with local display Mounting for Promet IS without pressure transmitter
Feature {D} Fi	C4 C5	Mounting for Promet IS without pressure transmitter
Feature {D} Fi	C5	
Feature {D} Fi	ilter	Mounting for Promet IS with pressure transmitter
Feature {D} Fi		
	D1	
		Particulate: 5 µm SS Mesh
	D2	Coalescing with manual drain (via system vent needle valve)
. 1	D3	Combined coalescing/oleophobic membrane with continuous drain flow (fast loop) - includes regulator & glass tube flow meter (metal case and protective plastic cover) with integral flow metering valve, 20 barg rated
	D4	Combined coalescing/oleophobic membrane with continuous drain flow (fast loop) - includes regulator & armoured flow meter with integral flow metering valve, 138 barg rated (Cannot be ordered with Option I3)
	D5	Combined coalescing/oleophobic membrane with continuous drain flow (fast loop) - includes two stage regulation & armoured flow meter with integral flow metering valve, 138 barg rated
Feature {E} GI	lycol Filter	1
	E0	No glycol adsorption filter
. –	E1	Glycol adsorption filter (Not for use with Option D1)
Feature {F} U	pstream Gaug	
	F0	No gauge
	F1	63mm safety pattern - 0-100 barg / 0 - 1,500 psig
	F2	63mm safety pattern - 0-160 barg / 0 - 2,321psig
Feature {G} U	pstream Press	ure Regulation
, F	G0	No pressure regulator
	G1	Single stage pressure regulator - Outlet 0 - 75 barg / 0 - 1089 psig
. –	G2	Single stage pressure regulator - Outlet 0 - 8 barg / 0 - 116 psig
	G3	Two stage pressure regulator - Outlet 0 - 8 barg / 0 - 116 psig
Feature {H} Se	ensor Measure	ment Pressure Gauge
. –	H0	No gauge
	H1	63mm safety pattern - 0-10 barg / 0 - 150 psig
	H2	63mm safety pattern - 0-100 barg / 0 - 1,500 psig
	H3	63mm safety pattern - 0-160 barg / 0 - 2,321psig
Feature {I} Do	ownstream Pre	essure Regulation
	I0	No pressure regulator
	I1	Single stage pressure regulator - Outlet 0 - 75 barg / 0 - 1089 psig
	I2	Single stage pressure regulator - Outlet 0 - 8 barg / 0 - 116 psig
	I3	Two stage pressure regulator - Outlet 0 - 8 barg / 0 - 116 psig
Feature {J} Flo	owmeter	
	J1	Glass tube flow meter (metal case and protective plastic cover) with integral flow metering valve, 20 barg rated
	J2	Armoured flow meter with integral flow metering valve, 138 barg rated
Feature {K} He	eater/Thermo	stat (Outdoor systems only)
	K0	No heater
	K1	100W, 230VAC, with fixed set point thermostat 20°C - ATEX/IECEx
	K2	100W, 230VAC, with fixed set point thermostat 40°C - ATEX/IECEx (not for use with L7)
	K3	100W, 110VAC, with fixed set point thermostat 20°C - ATEX/IECEx
	K4	100W, 110VAC, with fixed set point thermostat 40°C - ATEX/IECEx (not for use with L7)



Feature {L}	Enclosure coolin	g (Outdoor systems only)
	L0	No Enclosure Cooling
	L7	Enclosure cooling (mechanical control) for temperature 45°C max. ambient (instrument air supply required)
Feature {N}	Heat Trace Line	(Outdoor systems only)
	N0	No heat trace option
	N1	240VAC 3m trace heated sample line assembly (6mm O.D. AISI 316)
	N2	240VAC 3m trace heated sample line assembly (1/4" O.D. AISI 316)
	N3	110VAC 3m trace heated sample line assembly (6mm O.D. AISI 316)
	N4	110VAC 3m trace heated sample line assembly (1/4" O.D. AISI 316)
		For systems needing > 3m trace heated sample line (max. 15m) - contact Michell Instruments
Feature {M}	Material Certific	ation
	M0	No material certification
	M1	Material certificate to BS EN 10204 – type 3.1
	M2	Material certificate to BS EN 10204 – type 3.1 + NACE MR0175 Conformity

Ordering Example

Service Spares GEN-96181

GEN-96106

GEN-96028

GEN-96114

ES70G-M +B3+C1+D3+E1+F0+G1+H1 +I0+J2+K0+L0+N0+M0	Base Unit - Metric (6mm) tube and fittings, standard outdoor sampling system (316 SS enclosure), mounting for Easidew PRO XP, Combined coalescing/oleophobic membrane with continuous drain flow (fast loop) - includes regulator & glass tube flow meter (metal case and protective plastic cover) with integral flow metering valve (20 barg rated), glycol adsorption filter, no upsteam gauge, single stage pressure regulator - Outlet 0 - 75 barg/0 - 1089 psig, sensor pressure measurement gauge 63mm Safety Pattern - 0-10 barg/0 - 150 psig, no downstream pressure regulator, armoured flow meter with integral flow metering valve, 138 barg rated, no heater, no cooling, no heat trace, no material certificates
--	--

ES70 ACCESSORIES AND SPARE PARTS

NOTE: Standard delivery (if no documentation is ordered) will include user manual (hard copy), drawings and certificate (on CD).

Membrane/Coalescing filter spares kit including O rings

Replacement Filter cartridge, Ultra Glysorb (pack of 10)

Replacement Coalescing Filter cartridge, long (pack of 10)

Particulate filter 5µm SS mesh replacement element

Order Codes	Product / Description
ES70-MF	Michell standard mounting frame
ES70-SSC	Michell standard mounting frame, 316SS box section construction. Floor standing with sun canopy, with roof and three sides all SS316
Packing options	
* ES70-PAC1	Packing for Main Unit with Indoor Sampling System (crate for air, sea & road)
* ES70-PAC2	Packing for Main Unit with Outdoor Sampling System (crate for air, sea & road)
* ES70-PAC3	Packing for Mounting Frame and accessories only (crate for air, sea & road)
* ES70-PAC4	Packing for Heat Trace line up to 15m length (crate for air, sea & road)
* ES70-PAC5	Packing for Analyzer with Sun Canopy, with roof and 3 Sides (crate for air, sea & road)
For systems needing > 3n	n trace heated sample line (max. 15m) - contact Michell Instruments
Documentation	
Standard documentation pack Pressure test certificates.	kage comprises User Manuals (one printed per analyzer system) plus CD ROM containing Ex certificates, Drawing Set, Calibration Certificates and
** ES70-FAT1	One day FAT pre-delivery inspection / or first day of inspection
** ES70-FAT2	Each consecutive day of FAT pre-delivery inspection
** GEN-FAT-ST8	FAT 8 hour stability test
** GEN-FAT-ST12	FAT 12 hour stability test
** GEN-FAT-ST24	FAT 24 hour stability test
* SP-MC	Material Certificates for spare parts
* ES70-DOC	Documentation package (per individual system (to Michell Standard SDR list))
* ES70-DOC-E	Electronic documentation package (per individual system (to Michell Standard SDR list))
* ES70-DOC-ADH	Duplicate of DOC package (each hard copy)
* ES70-DOC-ADS	Duplicate of DOC package (each soft copy (CDROM))
* ES70-DOC-ADE	Duplicate of DOC-E package (on CDROM)
* ES70-DOC-CVDR	Documentation package for customer specific VDR
* ES70-DOC-CP	Document package on customer headed paper (per individual system (to Michell Standard SDR list))
* ES70-DOC-CP-ADH	Duplicate of DOC package on customer headed paper (each hard copy)
* ES70-DOC-CP-ADS	Duplicate of DOC package on customer headed paper (each soft copy (CDROM))
* ES70-DRG	Drawings for approval before build



Easidew PRO XP/IS - Liquidew Trace Moisture in Liquids Sampling System

Easidew PRO	XP/IS - Liquidev	w Trace Moisture in Liquids Sampling System	
Product Orde	ring Code {Featu	<pre>ire A}+{Feature B}+{Feature C}+{Feature D}++{Feature M}</pre>	
Feature	Item	Description	
Feature {A}	Туре		
	ES70L-I	Base Unit - Imperial (1/4") tube and fittings	
	ES70L-M	Base Unit - Metric (6mm) tube and fittings	
Feature {B}	Enclosure Type		
	B1	Open panel, 316 stainless steel, for indoor installation in temperature maintained environment	
	B2	Standard outdoor sampling system (304 SS enclosure)	
	B3	Standard outdoor sampling system (316 SS enclosure)	
	B4	Standard outdoor sampling system (304 SS enclosure with window)	
	B5	Standard outdoor sampling system (316 SS enclosure with window)	
Feature {C}	Transmitter Mo	unt	
	C1	Mounting for Easidew PRO XP	
	C2	Mounting for Easidew PRO IS	
	C4	Mounting for Liquidew IS	
Feature {D}	Filter		
	D0	No filter	
	D1	Particulate: 5 µm SS Mesh	
	D2	Two stage particulate: 75 & 5 µm SS Mesh	
Feature {E}	Flowmeter		
	E1	Glass tube flow meter (metal case and protective plastic cover) with integral flow metering valve, 20 barg rated	
	E2	Armoured flow meter with integral flow metering valve, 138 barg rated	
Feature {F}	Sample Cooling		
	F0	No cooling	
	F1	Sample cooling open panel - for process =>45°C water supply required.	
	F2	Sample cooling outdoor enclosure - for process =>45°C water supply required.	
Feature {G}	Heater/Thermostat (Outdoor systems only)		
	G0	No heater	
	G5	100W, 120VAC, with fixed set point thermostat 20°C - NEC Cl1 Div2 Grp B,C,D	
	G6	100W, 120VAC, with fixed set point thermostat 40°C - NEC Cl1 Div2 Grp B,C,D (not for use with L7)	
Feature {H}	Enclosure cooli	ng (Outdoor systems only)	
	H0	No enclosure cooling	
	H7	Enclosure cooling (mechanical control) for temperature 45°C max. ambient (instrument air supply required)	
Feature {I}		perature Indication	
	IO	No temperature indicator	
	 I1	Temperature indicator	
Feature {J}	Heat Trace Line	- F - · · · · · · · · · · · · · · · · ·	
	J0	No heat trace option	
	J1	240VAC 3m trace heated sample line assembly (6mm O.D. AISI 316)	
	J2	240VAC 3m trace heated sample line assembly (1/4" O.D. AISI 316)	
	J3	110VAC 3m trace heated sample line assembly (fire 0.b. AISI 316)	
		110VAC 3m trace heated sample line assembly (0mm 0.0. ALSI 310)	
	57	For systems needing > 3m trace heated sample line (max. 15m) - contact Michell Instruments	
Feature {M}	Material Certific		
i cature {rf}	MO	No material certification	
	MU M1		
	111	Material certificate to BS EN 10204 – type 3.1	

Ordering Example

ES70L-I+B4+C1+D2+E2+ F0+G5+H0+I1+J0+M1	Base Unit - Imperial (1/4") tube and fittings, standard outdoor sampling system (304 SS enclosure with window), mounting for Easidew PRO XP, two stage Particulate: 75 & 5 µm SS Mesh filter, armoured flow meter with integral flow metering valve (138 barg rated), no sample cooling, heater 100W, 120VAC, with fixed set point thermostat 20°C- NEC C11 Div2 Grp B,C,D;	
	no enclosure cooling, enclosure temperature indication, no heat trace option, material certificate to BS EN 10204 – type 3.1	



ES70 ACCESSORIES AND SPARE PARTS

NOTE: Standard delivery (if no documentation is ordered) will include user manual (hard copy), drawings and certificate (on CD).

worz. Stanuaru deivery (n no documentadon is ordered) win include user manuar (naru copy), urawings and ceruncate (on CD).	
Order Codes	Product / Description
ES70-MF	Michell standard mounting frame
ES70-SSC	Michell standard mounting frame, 316SS box section construction. Floor standing with sun canopy, with roof and three sides all SS316
Packing options	
* ES70-PAC1	Packing for Main Unit with Indoor Sampling System (crate for air, sea & road)
* ES70-PAC2	Packing for Main Unit with Outdoor Sampling System (crate for air, sea & road)
* ES70-PAC3	Packing for Mounting Frame and accessories only (crate for air, sea & road)
* ES70-PAC4	Packing for Heat Trace line up to 15m length (crate for air, sea & road)
* ES70-PAC5	Packing for Analyzer with Sun Canopy, with roof and 3 Sides (crate for air, sea & road)
For systems needing >	3m trace heated sample line (max. 15m) - contact Michell Instruments
Documentation	
Standard documentation p Pressure test certificates.	backage comprises User Manuals (one printed per analyzer system) plus CD ROM containing Ex certificates, Drawing Set, Calibration Certificates and
** ES70-FAT1	One day FAT pre-delivery inspection / or first day of inspection
** ES70-FAT2	Each consecutive day of FAT pre-delivery inspection
** GEN-FAT-ST8	FAT 8 hour stability test
** GEN-FAT-ST12	FAT 12 hour stability test
** GEN-FAT-ST24	FAT 24 hour stability test
* SP-MC	Material Certificates for spare parts
* ES70-DOC	Documentation package (per individual system (to Michell Standard SDR list))
* ES70-DOC-E	Electronic documentation package (per individual system (to Michell Standard SDR list))
* ES70-DOC-ADH	Duplicate of DOC package (each hard copy)
* ES70-DOC-ADS	Duplicate of DOC package (each soft copy (CDROM))
* ES70-DOC-ADE	Duplicate of DOC-E package (on CDROM)
* ES70-DOC-CVDR	Documentation package for customer specific VDR
* ES70-DOC-CP	Document package on customer headed paper (per individual system (to Michell Standard SDR list))
* ES70-DOC-CP-ADH	Duplicate of DOC package on customer headed paper (each hard copy)
* ES70-DOC-CP-ADS	Duplicate of DOC package on customer headed paper (each soft copy (CDROM))
* ES70-DRG	Drawings for approval before build
Service Spares	
GEN-96106	Particulate filter 5µm SS mesh replacement element
GEN-96132	Particulate filter 75µm mesh replacement element



Easidew PRO XP/IS - Liquidew IS Trace Moisture in Liquids Sampling System

		ATEX/IECEx certification) w IS Trace Moisture in Liquids Sampling System	
Product Orde	ring Code {Fea	ture A}+{Feature B}+{Feature C}+{Feature D}++{Feature M}	
Feature	Item	Description	
Feature {A}	Туре		
	ES70L-I	Base Unit - Imperial (1/4") tube and fittings	
1	ES70L-M	Base Unit - Metric (6mm) tube and fittings	
Feature {B}	Enclosure Typ		
	B1	Open panel, 316 stainless steel, for indoor installation in temperature maintained environment	
	B2	Standard outdoor sampling system (304 SS enclosure)	
	B3	Standard outdoor sampling system (316 SS enclosure)	
	B4	Standard outdoor sampling system (304 SS enclosure with window)	
	B5	Standard outdoor sampling system (316 SS enclosure with window)	
Feature {C}	Transmitter M	unt count	
	C1	Mounting for Easidew PRO XP	
	C2	Mounting for Easidew PRO IS	
	C4	Mounting for Liquidew IS	
Feature {D}	Filter		
	D0	No filter	
	D1	Particulate: 5 µm SS Mesh	
	D2	Two stage particulate: 75 & 5 µm SS Mesh	
Feature {E}	Flowmeter		
	E1	Glass tube flow meter (metal case and protective plastic cover) with integral flow metering valve, 20 barg rated	
	E2	Armoured flow meter with integral flow metering valve, 138 barg rated	
Feature {F}	Sample Coolin	<u>,</u>	
	F0	No cooling	
	F1	Sample cooling open panel - for process =>45°C water supply required.	
	F2	Sample cooling outdoor enclosure - for process =>45°C water supply required.	
Feature {G}	Heater/Thermostat (Outdoor systems only)		
	G0	No heater	
	G1	100W, 230VAC, with fixed set point thermostat 20°C - ATEX/IECEx	
	G2	100W, 230VAC, with fixed set point thermostat 40°C - ATEX/IECEx (not for use with H7)	
	G3	100W, 110VAC, with fixed set point thermostat 20°C - ATEX/IECEx	
	G4	100W, 110VAC, with fixed set point thermostat 40°C - ATEX/IECEx (not for use with H7)	
Feature {H}	Enclosure coo	ling (Outdoor systems only)	
	H0	No enclosure cooling	
	H7	Enclosure cooling (mechanical control) for temperature 45°C max. ambient (instrument air supply required)	
Feature {I}	Enclosure Ten	perature Indication	
	10	No temperature indicator	
	I1	Temperature indicator	
Feature {J}	Heat Trace Lir		
	30	No heat trace option	
	J1	240VAC 3m trace heated sample line assembly (6mm O.D. AISI 316)	
	J2	240VAC 3m trace heated sample line assembly (1/4" O.D. AISI 316)	
	33	110VAC 3m trace heated sample line assembly (6mm O.D. AISI 316)	
	J4	110VAC 3m trace heated sample line assembly (1/4" O.D. AISI 316)	
		For systems needing > 3m trace heated sample line (max. 15m) - contact Michell Instruments	
Feature {M}	Material Certi	ication	
-	M0	No material certification	
	M1	Material certificate to BS EN 10204 – type 3.1	
	H	Material certificate to BS EN 10204 – type 3.1 + NACE MR0175 Conformity	

Ordering Example

ES70L-I+B4+C1+D2+E2 +F0+G1+H0+I1+10+M1	Base Unit - Imperial (1/4") tube and fittings, standard outdoor sampling system (304 SS enclosure with window), mounting for Easidew PRO XP, two stage Particulate: 75 & 5 µm SS Mesh filter, armoured flow meter with integral flow metering valve (138 barg rated), no sample cooling, heater 100W, 120VAC, with fixed set point thermostat 20°C- NEC Cl1 Div2 Grp B,C,D; no enclosure cooling, enclosure temperature indication, no heat trace option, material certificate to BS EN 10204 – type 3.1
---	--



ES70 ACCESSORIES AND SPARE PARTS

NOTE: Standard delivery (if no documentation is ordered) will include user manual (hard copy), drawings and certificate (on CD).

Order Codes	Product / Description
ES70-MF	Michell standard mounting frame
ES70-SSC	Michell standard mounting frame, 316SS box section construction. Floor standing with sun canopy, with roof and three sides all SS316
Packing options	· ·
* ES70-PAC1	Packing for Main Unit with Indoor Sampling System (crate for air, sea & road)
* ES70-PAC2	Packing for Main Unit with Outdoor Sampling System (crate for air, sea & road)
* ES70-PAC3	Packing for Mounting Frame and accessories only (crate for air, sea & road)
* ES70-PAC4	Packing for Heat Trace line up to 15m length (crate for air, sea & road)
* ES70-PAC5	Packing for Analyzer with Sun Canopy, with roof and 3 Sides (crate for air, sea & road)
For systems needing >	3m trace heated sample line (max. 15m) - contact Michell Instruments
Documentation	
Standard documentation p Pressure test certificates.	ackage comprises User Manuals (one printed per analyzer system) plus CD ROM containing Ex certificates, Drawing Set, Calibration Certificates and
** ES70-FAT1	One day FAT pre-delivery inspection / or first day of inspection
** ES70-FAT2	Each consecutive day of FAT pre-delivery inspection
** GEN-FAT-ST8	FAT 8 hour stability test
** GEN-FAT-ST12	
GLIN-I AT-3112	FAT 12 hour stability test
** GEN-FAT-ST24	FAT 12 hour stability test FAT 24 hour stability test
-	
** GEN-FAT-ST24	FAT 24 hour stability test
** GEN-FAT-ST24 * SP-MC	FAT 24 hour stability test Material Certificates for spare parts
** GEN-FAT-ST24 * SP-MC * ES70-DOC	FAT 24 hour stability test Material Certificates for spare parts Documentation package (per individual system (to Michell Standard SDR list))
** GEN-FAT-ST24 * SP-MC * ES70-DOC * ES70-DOC-E	FAT 24 hour stability test Material Certificates for spare parts Documentation package (per individual system (to Michell Standard SDR list)) Electronic documentation package (per individual system (to Michell Standard SDR list))
** GEN-FAT-ST24 * SP-MC * ES70-DOC * ES70-DOC-E * ES70-DOC-ADH	FAT 24 hour stability test Material Certificates for spare parts Documentation package (per individual system (to Michell Standard SDR list)) Electronic documentation package (per individual system (to Michell Standard SDR list)) Duplicate of DOC package (each hard copy)
** GEN-FAT-ST24 * SP-MC * ES70-DOC * ES70-DOC-E * ES70-DOC-ADH * ES70-DOC-ADS	FAT 24 hour stability test Material Certificates for spare parts Documentation package (per individual system (to Michell Standard SDR list)) Electronic documentation package (per individual system (to Michell Standard SDR list)) Duplicate of DOC package (each hard copy) Duplicate of DOC package (each soft copy (CDROM))
** GEN-FAT-ST24 * SP-MC * ES70-DOC * ES70-DOC-E * ES70-DOC-ADH * ES70-DOC-ADS * ES70-DOC-ADE	FAT 24 hour stability test Material Certificates for spare parts Documentation package (per individual system (to Michell Standard SDR list)) Electronic documentation package (per individual system (to Michell Standard SDR list)) Duplicate of DOC package (each hard copy) Duplicate of DOC package (each soft copy (CDROM)) Duplicate of DOC-E package (on CDROM)
** GEN-FAT-ST24 * SP-MC * ES70-DOC * ES70-DOC-E * ES70-DOC-ADH * ES70-DOC-ADS * ES70-DOC-ADE * ES70-DOC-CVDR	FAT 24 hour stability test Material Certificates for spare parts Documentation package (per individual system (to Michell Standard SDR list)) Electronic documentation package (per individual system (to Michell Standard SDR list)) Duplicate of DOC package (each hard copy) Duplicate of DOC package (each soft copy (CDROM)) Duplicate of DOC-E package (on CDROM) Documentation package for customer specific VDR
** GEN-FAT-ST24 * SP-MC * ES70-DOC * ES70-DOC-E * ES70-DOC-ADH * ES70-DOC-ADS * ES70-DOC-ADE * ES70-DOC-CVDR * ES70-DOC-CP	FAT 24 hour stability test Material Certificates for spare parts Documentation package (per individual system (to Michell Standard SDR list)) Electronic documentation package (per individual system (to Michell Standard SDR list)) Duplicate of DOC package (each hard copy) Duplicate of DOC package (each soft copy (CDROM)) Duplicate of DOC-E package (on CDROM) Documentation package for customer specific VDR Document package on customer headed paper (per individual system (to Michell Standard SDR list))
** GEN-FAT-ST24 * SP-MC * ES70-DOC * ES70-DOC-E * ES70-DOC-ADH * ES70-DOC-ADS * ES70-DOC-ADE * ES70-DOC-CVDR * ES70-DOC-CP * ES70-DOC-CP-ADH	FAT 24 hour stability test Material Certificates for spare parts Documentation package (per individual system (to Michell Standard SDR list)) Electronic documentation package (per individual system (to Michell Standard SDR list)) Duplicate of DOC package (each hard copy) Duplicate of DOC package (each soft copy (CDROM)) Duplicate of DOC-E package (on CDROM) Documentation package for customer specific VDR Document package on customer headed paper (per individual system (to Michell Standard SDR list)) Duplicate of DOC package on customer headed paper (each hard copy)
** GEN-FAT-ST24 * SP-MC * ES70-DOC * ES70-DOC-E * ES70-DOC-ADH * ES70-DOC-ADS * ES70-DOC-ADE * ES70-DOC-CVDR * ES70-DOC-CP * ES70-DOC-CP-ADH * ES70-DOC-CP-ADS	FAT 24 hour stability test Material Certificates for spare parts Documentation package (per individual system (to Michell Standard SDR list)) Electronic documentation package (per individual system (to Michell Standard SDR list)) Duplicate of DOC package (each hard copy) Duplicate of DOC package (each soft copy (CDROM)) Duplicate of DOC-E package (on CDROM) Documentation package for customer specific VDR Document package on customer headed paper (per individual system (to Michell Standard SDR list)) Duplicate of DOC package on customer headed paper (each hard copy) Duplicate of DOC package on customer headed paper (each hard copy) Duplicate of DOC package on customer headed paper (each hard copy) Duplicate of DOC package on customer headed paper (each hard copy) Duplicate of DOC package on customer headed paper (each soft copy (CDROM))
** GEN-FAT-ST24 * SP-MC * ES70-DOC-E * ES70-DOC-ADH * ES70-DOC-ADS * ES70-DOC-ADE * ES70-DOC-CVDR * ES70-DOC-CVDR * ES70-DOC-CP * ES70-DOC-CP-ADH * ES70-DOC-CP-ADS * ES70-DOC-CP-ADS	FAT 24 hour stability test Material Certificates for spare parts Documentation package (per individual system (to Michell Standard SDR list)) Electronic documentation package (per individual system (to Michell Standard SDR list)) Duplicate of DOC package (each hard copy) Duplicate of DOC package (each soft copy (CDROM)) Duplicate of DOC-E package (on CDROM) Documentation package for customer specific VDR Document package on customer headed paper (per individual system (to Michell Standard SDR list)) Duplicate of DOC package on customer headed paper (each hard copy) Duplicate of DOC package on customer headed paper (each hard copy) Duplicate of DOC package on customer headed paper (each hard copy) Duplicate of DOC package on customer headed paper (each hard copy) Duplicate of DOC package on customer headed paper (each soft copy (CDROM))

Please note: Michell Instruments adopts a continuous development program which sometimes necessitates specification changes without notice. Please contact us for latest version. Issue No: ES70 Sampling System_97550_V3_UK_1119