

TRANS pH Pal

TRANS pH Pal utilizes a gel-filled combination (measuring & reference) electrode, most economical for accurate on-site testing.

Specifications

Operating range : 0 to 14 pH
 Resolution : 0.1 pH
 Operating Tempo. Range : 0° to 50°C
 Accuracy : ± 0.2 pH
 Calibration : Factory calibrated at pH 7.00
 Battery life : 200 hours
 Power source : 4 x 1.4V (A76) Button cell
 Weight : Approx. 50gms
 Dimension : 147mm (L) x 32mm (W) x 15mm (H)

Order Information

pH PAL: -7010 pH7.00 Buffer Solution

AK00068



TRANS pH Pro

TRANS pH Pro uses a specially prepared glass measuring electrode in conjunction with the reference electrode and two point calibration to provide a stable reading of ±0.05pH accuracy. The readings are automatically compensated in the operating range of 0°C to 70°C. TRANS pH Pro features state-of-the-art electronics together with a large liquid crystal display for easy reading.

Specifications

Operating range : 0 to 14.00 pH
 Resolution : 0.01 pH
 Accuracy : ± 0.5 pH
 Temperature : Automatic compensation from 0° to 70°C
 Calibration : Factory calibrated at pH 7.00 and pH 4.00
 Battery life : 200 hours
 Power source : 4 x 1.4V (A76) Button cell
 Weight : Approx. 75gms
 Dimension : 147mm (L) x 32mm (W) x 15mm (H)

Order Information

pH PRO: -4010 pH4.01 Buffer Solution, 7010 pH7.00 Buffer Solution, 1001 pH10.01 Buffer Solution

TRANS Conductivity (TDS) Pal

Trans TDS Pal is a self-contained, digital pocket-sized conductivity meter with cell and automatic temperature compensator. It readily provides quick and accurate conductivity readings on demand.

Model Code	TDS 1 AK00069	TDS 2 AK00070	TDS 3 AK00071	TDS 4 AK00072
Range	1,990ppm	10,000ppm	19,900umho	19,900umho
Resolution	10ppm	100ppm	10umho	100umho
Accuracy	2%	2%	2%	2%

Temp Compensation : Automatic from 0° to 50°C
 Operating Temp : 0° to 50°C
 Measuring Technique : Uses square wave AC conductivity measurement for high accuracy
 Power source : 4 x 1.4V (A76) Button cell
 Battery life : 200 hours
 Weight : Approx. 50gms
 Dimension : 147mm (L) x 32mm (W) x 15mm (H)

Order Information

TDS 1 PAL : 2020-1382ppm Std Solution
 TDS 2 PAL : 2010-1413 S Std Solution
 TDS 3 PAL : 2100---6440ppm Std Solution
 TDS 4 PAL : 2100-12.88mS Std Solution

AK00069



AK00073

No.7540 Precision Hair Hygrothermometer

SPECIFICATIONS:

Sensors: Human hair for humidity
 Glass thermometer for temperature
 Measuring Range: 20 to 100% for relative humidity
 -10 to 50°C for temperature
 Scale graduation: 1% for relative humidity, 2°C for temperature
 Accuracy: ± 3% for R.H., ± 1°C for temperature
 Dimensions: 150mm dia x 40mm
 Weight: Approx. 0.28kg



AK00074

No.7542 Hygrothermometer (Highest II) with Digital Thermometer

SPECIFICATIONS:

R. Humidity: Measuring range: 20 to 100%
 Graduation: every 2%
 Accuracy: ± 4% (20°C ± 5°C)
 Temperature: Measuring range: -20 to 60°C
 Resolution: Digital display every 0.1°C
 Accuracy: ± 1°C
 Dimensions: 135 (D) x 33 (T)mm
 Weight: 0.35kg
 Accessories: Bracket 160 (D) x 4 (T) mm, Batteries "C" cell x 1



AK00075

Asahi Wet & Dry Hygrometer with Sliding Scales

SPECIFICATIONS:

Measuring Range: -10 to 50°C
 Scale graduation: 1°C
 Dimensions: 100 (W) x 250 (H) x 25 (T) mm



AK00076

Model: TH-200/ TH-300 Thermohygrometer

SPECIFICATIONS:

Sensors: Coil type
 Measuring Range: -30 to 50°C for temp.
 20 to 100% for humidity
 Scale graduation: 2°C for temp.
 5% for humidity
 Dimensions: 150mm dia & 250mm dia



Mason's Hanging Pattern

320mm x 80mm. Quality polypropylene plastic case with lid and bulb protectors. Detachable plastic water cistern.
 Mercury filled tubes mounted on metal scale.
 Supplied with hygrometric table, spare wick and mounting screws.

Model	Range
AK00077	-5/50C -5/50C & 20/120F As above but conforming to BS. 2841 -5/50C



General Purpose Pattern

74mm x 56mm. All plastic construction.
 Hangs, stands or clips over.

Model	Range
AK00078	0/100% RH



Whirling Pattern (Psychrometer)

230mm x 50mm. Robust yellow plastic frame with folding handle. Plastic water cistern. Mercury filled (replaceable) tubes. Supplied with hygrometric tables and spare wick. Conforming to BS 2842.

Model	Range
AK00079	-5/50C 20/120F

Leatherette Carrying Case

Protects psychrometer and tables. Supplied with adjustable shoulder strap.
 MODEL AK00080

Push Button Pattern

Maximum & Minimum Thermometer
 Push Button Type.
 Plastic Casing Range: -40 to 50°C + F
 MODEL AK00081

Allinton Engineering & Trading Pte Ltd

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SCIENTIFIC INSTRUMENT



AK00082

No.7640 Precision Fortin Barometer

SPECIFICATIONS:

Type: Fortin (Mercury column)
 Type tube: 10mm
 Scale: 650 to 820mm Hg
 (520/790mm, High Altitude type)
 870 to 1090mb or hPa
 (700/1050mb, High Altitude type)
 Vernier: 0.1mm & 0.1mb or hPa
 Accuracy: ± 0.1 mm Hg (or mb/hPa)
 Thermometer: Hg glass thermometer - 20 to 50°C
 Dimensions: 1130 (H) x 100 (W) x 100 (D) mm
 1100 (H) x 110 (W) x 100 (D) mm
 (J.M.A Certified type)
 Weight: Barometer approx. 2.5kgs
 Mounting board, approx. 1.8kgs
 Barometer, approx. 3.4kgs
 Mounting board, approx. 2.3kgs
 (J.M.A certified type)

(*) For safety shipping, mercury is separately packed in a glass container.
 (except J.M.A Certified type)



AK00084

Sigma II Barograph

SPECIFICATIONS:

Cat No: 7237-00 (Quartz type)
 7238-00 (Spring-wound type)
 Model: NSII-BQ (Quartz type)
 NSII-BS (Spring-wound type)
 Clock: 1-day, 7 days and 32 days by charge-over switch
 Battery: 2pcs of UM-2 (1.5V)
 Battery life: 1 year 1 day & 7 days by change gear for spring-wound
 Aneroid
 Sensor: Bimetal
 Temperature compensation: 940 to 1045 hPa (705 to 785mmHg)
 Measuring range: ± 1.10 hPa
 Accuracy: 1.0hPa
 Chart graduation: 336 (W) x 148 (D) x 295 (H) mm
 Dimensions: Approx. 3.1kgs (Quartz type)
 Weight: Approx. 3.4kgs (Spring-wound type)



AK00083

No.7612 Barometer with Digital Thermometer

SPECIFICATIONS:

Air pressure:
 Measuring: 945 to 1045 hPa (black scale)
 710 to 780mm Hg (red scale)
 Graduation: Every 1hPa/1mm Hg
 Accuracy: ± 1 hPa
 Temperature:
 Measuring range: -20 to 70°C
 Resolution: Digital display every 0.1°C
 Accuracy: ± 1 °C
 Dimensions: 135 (D) x 33 (T) mm
 Weight: 0.25kg
 Accessories: Bracket: 160 (D) x 4 (T) mm
 Batteries: "C" cell x 1



AK00085

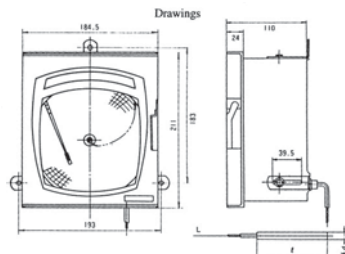
No. 7620 Precision Survey Altimeter

SPECIFICATIONS:

Measuring range: 0 to 4500m (1030/580hPa)
 Graduation: Every 10m (2hPa)
 Temperature compensation: Bimetal
 Accuracy: $\pm 2\%$
 Case material: Metal
 Dimensions: 70mm \varnothing x 28mm (D)
 Weight: Approx. 0.2kg
 Accessories: Carrying case



AK00086



Model LMC, SMC 1 or 2 Points Temperature Recorder with or without Electric Contact for Alarm

Model LMC-1 (Type 3730-L) Solid liquid-actuated, 1-point recording
 Model SMC-1 (Type 3330-S) Mercury-actuated, 1-point recording
 Model SMC-2 (Type 3334-S) Mercury-actuated, 2-point recording

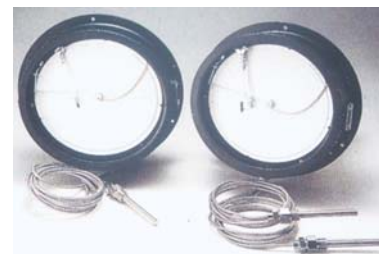
SPECIFICATIONS:

Case & cover: Aluminium Cast Alloy (ADC)
 Finish: Melamin-baked plating
 Window: Glass
 Lead wire: SUS304 Flexible tube
 Bulb: SUS304 NS type (without thread)
 (Model SMC-2 has two lead wires as well as two bulbs)
 Electric contact point: Micro-switching 1-point contact is available for model SMC-1 only. Rated capacity: 250VAC 5A
 Chart drive: Spring-wound or AC driven
 Standard lead length: 2m
 Recording pen: Cartridge pen:- Type CPV-77 (violet) for model SMC-1 and LMC-1
 Type CPW-11 (violet or red) for model SMC-2
 Panel cut size: 170 x 200mm

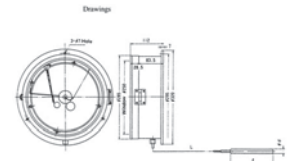
Available Temperature Range and Charts No.

Temp. Range (°C)	M/M DIV.	24H/REV.	168H/REV
-100 to +50	5	-	No. 16810050
-50 to +50	2	No.245050	No. 1685050
-10 to +50	1	-	No. 1681050
0 to +100	2	No. 24100	No. 168100
0 to +150	5	No.24150	No. 168150
0 to +200	5	No. 24200	No. 168200
0 to +250	5	-	No. 168250
0 to +300	5	-	No. 168300

*1 ... For model LMC-1 only. *2 ... For model SMC-1/SMC-2 only.



AK00087



Model SSY 1 or 2 Points Temperature Recorder

Model SSY-A1 (Type 3300-S) Mercury-actuated, 1-point recording
 Model SST-A2 (Type 3302-S) Mercury-actuated, 2-point recording
 ** Model LSY Solid Liquid-actuated type is available.
 ** Model SSY-H Wet & Dry Bulb temperature recording type is available.

SPECIFICATIONS:

Case & cover: Aluminium Cast Alloy (ADC)
 Finish: Melamin-baked plating
 Window: Glass
 Lead wire: SUS304 Flexible tube
 Bulb: SUS304 SW (union) type with screw PT1/2"
 (Model SMC-2 has two lead wires as well as two bulbs)
 Chart drive: Spring-wound or AC driven (100VAC)
 Standard lead length: 3m (Maximum up to 30m)
 Recording pen: Cartridge pen
 Type CPV-71 (violet) for model SSY-A1
 Type CPW-11 (violet or red) for model SSY-A2

Available Temperature Range and Charts No.

Temp. Range (°C)	M/M DIV.	12H/REV.	24H/REV.	168H/REV
-50 to +50	2	-	No. 245050	No. 16810050
-20 to +50	1	-	No. 242050	No. 1682050
0 to +50	1	-	No. 2450	No. 16850
0 to +100	2	No. 12100	No. 24100	No. 168100
0 to +120	2	No. 12120	No. 24120	No. 168120
0 to +150	5	No. 12150	No. 24150	No. 168150
0 to +200	5	-	No. 24200	No. 168200
0 to +250	5	-	No. 24250	No. 168250
0 to +300	5	-	No. 24300	No. 168300
0 to +400	10	No. 12400	No. 24400	No. 168400
0 to +500	10	-	No. 24500	No. 168500
0 to +600	10	-	No. 24600	No. 168600

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SCIENTIFIC INSTRUMENT

Pressure Gauge with Bottom Connection



AK00088

Pressure Gauge with Bottom Connection Liquid Filled



AK00089

Pressure Gauge with Back Connection



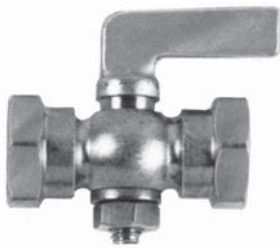
AK00090

Pressure Gauge with Back Connection Liquid Filled



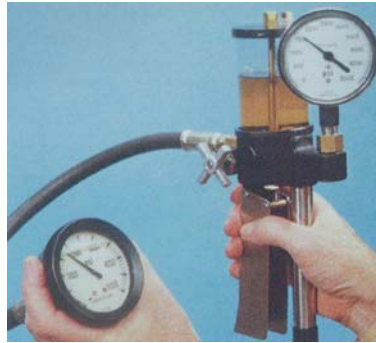
AK00091

Cock Valve



AK00092

Hydraulic Pump Calibrator with Hose Fittings



AK00093

Accuracy	± 5% of gauge span
Test Fluid	Petroleum based oils, Hydraulic fluids and Distilled Water
Operation Pressure	3000 psi maximum
Wetted Parts	Aluminium, brass, stainless steel and lexan
"O" Rings	Buna N
Reservoir Capacity	1 pint
Test Connection	1/4" NPT, 24" long house

Code	Model	Description
AK00093	T-620101	Hand-held Hydraulic Pump
AK00094	T-621102	0 to 1000 psig Gauge with pump
AK00095	T-622	0 to 1000 psig Gauge with pump
AK00096	T-623	0 to 1000 psig Gauge with pump
AK00097	T-633	Carrying case

Pneumatic Hand Pump



AK00098

Accuracy	± 5% of gauge span
Operation Pressure	200 psi maximum
Wetted Parts	Aluminium, brass, stainless steel, nylon and Nylatron GS*
"O" Rings	Buna N
Test Connection	1/4" NPT, 24" long house

Code	Model	Description
AK00098	T-730	Pump Only (fir range 0 to 30psi)
AK00099	T-740	Pump Only (fir range 0 to 200psi)
AK00100	T-731	0 to 300" H2O Gauge with pump
AK00101	T-732	0 to 30psi Gauge with pump
AK00102	T-742	0 to 100psi Gauge with pump
AK00103	T-743	0 to 200psi Gauge with pump
AK00104	T-663	Carrying case

Precision Deadweight Tester



AK00108

Features

Accuracy of 0.1% of reading
 Operating pressure of 15psi to 10,000psi (100kPa to 70,000kPa)
 Operating Media 1305D - SAE 20 weight automotive or machine oil
 1305DH - Phosphate based or glycol fluids
 Traceable to NIST
 O - Ring material 1305D - Buna - N (D Series) 1305DH - Ethylene propylene (DH series)
 Stainless steel piston and cylinder material
 Non - metallic die - cast zinc weight material
 Reservoir volume approximately 1.5 pints (0.7 litre)

Code	Model	Description	Pressure Range	
			Low	High
AK00108	1305D - 10	Deadweight Tester	15 - 200psi	75 - 1000psi
AK00109	1305D - 20	Deadweight Tester	15 - 400psi	75 - 2000psi
AK00110	1305D - 30	Deadweight Tester	15 - 600psi	75 - 3000psi
AK00111	1305D - 50	Deadweight Tester	15 - 1000psi	75 - 5000psi
AK00112	1305D - 100	Deadweight Tester	15 - 2000psi	75 - 10000psi

Vacuum Hand Pump



AK00105

Accuracy	± 5% of gauge span
Range	0 to 25" of mercury vacuum
Operation Pressure	200psi max
"O" Rings	Buna N
Test Connection	1/4" NPT, 24" long house

Code	Model	Description
AK00105	T-750	Pump Only
AK00106	T-751	Pump Only with 0 - 30 Hg gauge
AK00107	T-663	Carrying case

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