

SCANNERS AND SYSTEMS



PRESSURE AND TEMPERATURE SCANNERS

NetScanners



NetScanner 9216

Measurement Type	Pressure
Media	Dry
Accuracy	±0.05% FS
# of Channels	16
EU Throughput Rate	500 Hz/chan/sec
Operating Temp.	-30°C to 80°C
Enclosure	IP66/30 g vibration
Typical Applications	Engine testing, portable data acquisition, wind tunnel research, process monitoring



NetScanner 9146-R

Measurement Type	Temperature
Media	RTD/TC/Volt
Accuracy	±0.25°C
# of Channels	16/32
EU Throughput Rate	33 Hz/chan/sec
Operating Temp.	-30°C to 70°C
Enclosure	IP66/30 g vibration
Typical Applications	Engine testing, portable data acquisition, wind tunnel research, process monitoring



NetScanner 9146-T

Measurement Type	Temperature
Media	TC
Accuracy	±0.25°C
# of Channels	16
EU Throughput Rate	33 Hz/chan/sec
Operating Temp.	-30°C to 70°C
Enclosure	IP54/30 g vibration
Typical Applications	Engine testing, portable data acquisition, wind tunnel research, process monitoring



NetScanner 9022

Measurement Type	Pressure
Media	Liquid
Accuracy	±0.05% FS
# of Channels	12
EU Throughput Rate	100 Hz/chan/sec
Operating Temp.	-30°C to 70°C
Enclosure	IP64/30 g vibration
Typical Applications	Engine testing, third party transducers, close coupled requirements, high pressure

PRESSURE SCANNERS & TRANSDUCERS

NetScanners, Transducers, and Accompanying Equipment



NetScanner 9032, 9033

Measurement Type	Barometer, Differential Standard
Media	Dry
Accuracy	±0.01% FS
# of Channels	1
EU Throughput Rate	10 Hz
Operating Temp.	-10°C to 60°C
Enclosure	Laboratory grade
Typical Applications	Barometric monitor, precision reference



NetScanner 9034, 9038

Measurement Type	Calibrator
Media	Dry
Accuracy	±0.01% FS
# of Channels	1
EU Throughput Rate	10 Hz
Operating Temp.	-10°C to 60°C
Enclosure	Laboratory grade
Typical Applications	Calibration, transfer standard, verification testing



NetScanner 9916, 98RK-1 Rack

Measurement Type	Pressure
Media	Dry
Accuracy	±0.05% FS
# of Channels	128
EU Throughput Rate	100 Hz/chan/sec
Operating Temp.	0°C to 50°C
Enclosure	19" rackmount/4U
Typical Applications	Turbine engine test, control room location



NetScanner 9400 Transducer

Measurement Type	Pressure
Media	All-media
Accuracy	±0.05%
# of Channels	1
EU Throughput Rate	Analog Output
Operating Temp.	-30°C to 100°C
Enclosure	IP66
Typical Applications	Turbine Engine Test, liquids, hydraulics

ELECTRONIC & MINIATURE PRESSURE SCANNERS

ESP & MicroScanner



ESP 64HD DTC

Type	Pressure
Media	Dry
Accuracy	±0.03% FS
# of Channels	64
Thermal Comp.	Active (DTC)
Operating Temp.	-25°C to 80°C
Multiplex Scan Rate	70 KHz
Port Sizes (Inches)	0.040
Typical Applications	Wind tunnel research, flight test, on vehicle research



ESP 32HD DTC

Type	Pressure
Media	Dry
Accuracy	±0.03% FS
# of Channels	32
Thermal Comp.	Active (DTC)
Operating Temp.	-25°C to 80°C
Multiplex Scan Rate	70 KHz
Port Sizes (Inches)	0.040 or 0.063
Typical Applications	Wind tunnel research, flight test, on vehicle research



ESP 64HD, 32HD, 16HD

Type	Pressure
Media	Dry
Accuracy	±0.05% FS
# of Channels	64, 32 or 16
Thermal Comp.	Passive
Operating Temp.	-25°C to 80°C
Multiplex Scan Rate	20 KHz
Port Sizes (Inches)	0.040 or 0.63
Typical Applications	Wind tunnel research, flight test, on vehicle research



MicroScanner 16MS

Type	Pressure
Media	Dry
Accuracy	±0.05%
# of Channels	16
Thermal Comp.	Active
Operating Temp.	-20°C to 100°C
Multiplex Scan Rate	100 KHz
Port Sizes (Inches)	Direct mount
Typical Applications	For confined space, wind tunnel, flight test

DATA ACQUISITION SYSTEMS

Multi-Scanner Data Acquisition Systems



Optimus

Type	Pressure scanning
Media	Dry
Accuracy	±0.03% FS
# of Channels	2048
EU Throughput Rate	2000 Hz
Operating Temp.	0°C to 50°C
Enclosure	Laboratory grade
Typical Applications	Aerospace development



Initium

Type	Pressure scanning
Media	Dry
Accuracy	±0.05% FS
# of Channels	512
EU Throughput Rate	1200 Hz
Operating Temp.	0°C to 70°C
Enclosure	Laboratory grade
Typical Applications	Wind engineering



mSDI Interface

Type	A/D conversion
Media	Dry
Accuracy	±0.05% FS
# of Channels	512
EU Throughput Rate	2000 Hz
Operating Temp.	-25°C to 80°C
Enclosure	Miniature
Typical Applications	In-model placement, Optimus System interface



Pneumatics

Type	Quick disconnect
Media	Dry
Accuracy	—
# of Channels	19, 31, 36, 55
EU Throughput Rate	—
Operating Temp.	-40°C to 80°C
Enclosure	Miniature
Typical Applications	Pressure connections for confined spaces